SAMSUNG

LCD PROJECTION TELEVISION

Chassis : M51A
Model: SP403JHPX/UMG

SERVICE Manual

COLOR TELEVISION RECEIVER

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1. Precautions

Follow these safety, servicing and ESD precautions to prevent damage and protect against potential hazards such as electrical shock and X-rays.

1-1 Safety Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.

2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including: nonmetallic control knobs and compartment covers.

3. Make sure that there are no cabinet openings through which people—particularly children—might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

   If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (Figure 1-1):
   Warning: Do not use an isolation transformer during this test. Use a leakage-current tester or a metering system that complies with American National Standards Institute (ANIS C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).

5. With the unit completely reassembled, plug the AC line cord directly into the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including: antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.

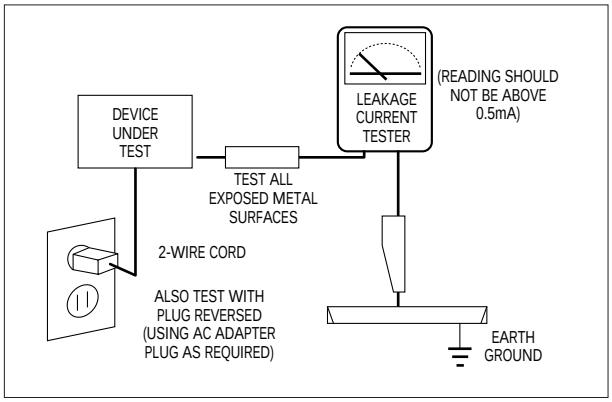

DEVICE UNDER TEST
LEAKAGE CURRENT TESTER
(READING SHOULD NOT BE ABOVE 0.5mA)
TEST ALL EXPOSED METAL SURFACES
2-WIRE CORD
ALSO TEST WITH PLUG REVERSED (USING AC ADAPTER PLUG AS REQUIRED)
EARTH GROUND

Fig. 1-1 AC Leakage Test

6. Antenna Cold Check:
   With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong. Connect the other lead to the coaxial connector.

7. X-ray Limits:
   The picture tube is especially designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original. Carefully reinstall the picture tube shields and mounting hardware; these also provide X-ray protection.

8. High Voltage Limits:
   High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits. Correct operation of the X-ray protection circuits must be reconfirmed whenever they are serviced. (X-ray protection circuits also may be called "horizontal disable" or "hold-down".)

   Heed the high voltage limits. These include the X–ray Protection Specifications Label, and the Product Safety and X-ray Warning Note on the service data schematic.

1-1 Safety Precautions (Continued)

9. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.

10. Design Alteration Warning:
Never alter or add to the mechanical or electrical design of this unit. Example: Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.

11. Hot Chassis Warning:
Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

    To confirm that the AC power plug is inserted correctly, do the following: Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.

12. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, regardless of the AC plug polarity. These units can be safely serviced only if an isolation transformer inserted between the receiver and the power source.

13. Some TV chassis have a secondary ground system in addition to the main chassis ground. This secondary ground system is not isolated from the AC power line. The two ground systems are electrically separated by insulating material that must not be defeated or altered.

14. Components, parts and wiring that appear to have overheated or that are otherwise damaged should be replaced with parts that meet the original specifications. Always determine the cause of damage or overheating, and correct any potential hazards.

15. Observe the original lead dress, especially near the following areas: Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.

16. Picture Tube Implosion Warning:
The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.

17. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.

18. Product Safety Notice:
Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original—even if the replacement is rated for higher voltage, wattage, etc.

    Components that are critical for safety are indicated in the circuit diagram by shading, (⚠) or (⚠).
    Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications.
    A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

1-2 Servicing Precautions

Warning1: First read the "Safety Precautions" section of this manual. If some unforeseen circumstance creates a conflict between the servicing and safety precautions, always follow the safety precautions.
Warning2: An electrolytic capacitor installed with the wrong polarity might explode.

1. Servicing precautions are printed on the cabinet. Follow them.

2. Always unplug the unit's AC power cord from the AC power source before attempting to: (a) Remove or reinstall any component or assembly, (b) Disconnect an electrical plug or connector, (c) Connect a test component in parallel with an electrolytic capacitor.

3. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring is sometimes clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.

4. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the portion around the serviced part has not been damaged.

5. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).

6. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500V) to the blades of the AC plug.

   The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.

7. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.

8. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

9. When some parts inside the optical engine (except lamp) are damaged, replace the whole optical engine.

1-3 Precautions for Electrostatically Sensitive Devices (ESDs)

1. Some semiconductor ("solid state") devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.

2. Immediately before handling any semicon ductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. (Be sure to remove it prior to applying power—this is an electric shock precaution.)

3. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of electrostatic charge.

4. Do not use freon-propelled chemicals. These can generate electrical charges that damage ESDs.

5. Use only a grounded-tip soldering iron when soldering or unsoldering ESDs.

6. Use only an anti-static solder removal device. Many solder removal devices are not rated as "anti-static"; these can accumulate sufficient electrical charge to damage ESDs.

7. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.

8. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.

9. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting a foot from a carpeted floor can generate enough static electricity to damage an ESD.

2. Reference Information

2-1 Tables of Abbreviations and Acronyms

Table 2-1 Abbreviations

A	Ampere	MV	Megavolt
Ah	Ampere-hour	MW	Megawatt
Å	Angstrom	MΩ	Megohm
dB	Decibel	m	Meter
dBm	Decibel Referenced to One Milliwatt	µA	Microampere
		µF	Microfarad
°C	Degree Celsius	µH	Microhenry
°F	Degree Fahrenheit	µm	Micrometer
°K	degree Kelvin	µs	Microsecond
F	Farad	µW	Microwatt
G	Gauss	mA	Milliampere
GHz	Gigahertz	mg	Milligram
g	Gram	mH	Millihenry
H	Henry	ml	Milliliter
Hz	Hertz	mm	Millimeter
h	Hour	ms	Millisecond
ips	Inches Per Second	mV	Millivolt
kWh	Kilowatt-hour	nF	Nanofarad
kg	Kilogram	Ω	Ohm
kHz	Kilohertz	pF	Picofarad
kΩ	Kilohm	lb	Pound
km	Kilometer	rpm	Revolutions Per Minute
km/h	Kilometer Per Hour	rps	Revolutions Per Second
kV	Kilovolt	s	Second (Time)
kVA	Kilovolt-ampere	V	Volt
kW	Kilowatt	VA	Volt-ampere
l	Liter	W	Watt
MHz	Megahertz	Wh	Watt-hour

Table 2-1 Abbreviations

ABL	Automatic Brightness Limiter	I/O	Input/output
AC	Alternating Current	L	Left
ACC	Automatic Chroma Control	L	Low
AF	Audio Frequency	LED	Light Emitting Diode
AFC	Automatic Frequency Control	LF	Low Frequency
AFT	Automatic Fine Tuning	MOSFET	Metal-Oxide-Semiconductor-Field-Effect-Tr
AGC	Automatic Gain Control	MTS	Multi-channel Television Sound
AM	Amplitude Modulation	NAB	National Association of Broadcasters
ANSI	American National Standards Institute	NEC	National Electric Code
APC	Automatic Phase Control	NTSC	National Television Systems Committee
APC	Automatic Picture Control	OSD	On Screen Display
A/V	Audio-Video	PCB	Printed Circuit Board
AVC	Automatic Volume Control	PLL	Phase-Locked Loop
BAL	Balance	PWM	Pulse Width Modulation
BPF	Bandpass Filter	QIF	Quadrature Intermediate Frequency
B-Y	Blue-Y	R	Right
CATV	Community Antenna Television (Cable TV)	RC	Resistor & Capacitor
CB	Citizens Band	RF	Radio Frequency
CCD	Charge Coupled Device	R-Y	Red-Y
CCTV	Closed Circuit Television	SAP	Second Audio Program
Ch	Channel	SAW	Surface Acoustic Wave(Filter)
CRT	Cathode Ray Tube	SIF	Sound Intermediate Frequency
CW	Continuous Wave	SMPS	Switching Mode Power Supply
DC	Direct Current	S/N	Signal/Noise
DVM	Digital Volt Meter	SW	Switch
EIA	Electronics Industries Association	TP	Test Point
ESD	Electrostatic Discharge	TTL	Transistor Transistor Logic
ESD	Electrostatically Sensitive Device	TV	Television
FBP	Feedback Pulse	UHF	Ultra High Frequency
FBT	Flyback Transformer	UL	Underwriters Laboratories
FF	Flip-Flop	UV	Ultraviolet
FM	Frequency Modulation	VCD	Variable-Capacitance Diode
FS	Fail Safe	VCO	Voltage Controlled Oscillator
GND	Ground	VCXO	Voltage Controlled Crystal Oscillator
G-Y	Green-Y	VHF	Very High Frequency
H	High	VIF	Video Intermediate Frequency
HF	High-Frequency	VR	Variable Resistor
HI-FI	High Fidelity	VTR	Video Tape Recorder
IC	Inductance-Capacitance	VTVM	Vacuum Tube Voltmeter
IC	Integrated Circuit	TR	Transistor
IF	Intermediate Frequency		

2-2 IC Line Up

Table 2 - 2 IC Line - Up

BLOCK	SPECIFICATION	MAKER	FUNCTION
MAIN	TDA9810T	PHILLIPS	VIF (QSS-IF&AM)
	TDA7265	SGS-THOMSON	STEREO AMP (25W)
	PCF8574P	PHILIPS	FAN,LEVER S/W,THERMO S/W DETECT
	SAA1300	PHILIPS	LED CONTROL, LAMP ON/OFF
AV-TERMINAL	TDA6920X	SIEMENS	7*5 VIDEO S/W
	TEA5114A	SGS-THOMSON	VIDEO S/W
	TL062CDT	T.I	OP AMP
	PCF8591T	PHILIPS	8BIT A/D AND D/A CONVERTER
SOUND	MSP3410D	ITT	SOUND PROCESSOR
	DPL3519A	ITT	DOLBY PRO LOGIC
	TL062CDT	T.I	OP AMP
	74HC4052	PHILIPS	ANALOG-MULTIPLEXER
MICOM	SDA30C264	SIEMENS	8-BIT MICRO CONTROLLER
	ST24W16	SGS-THOMSON	EEPROM (2K*8)
	TMS27C040	T.I	PROGRAMMABLE ROM
	SDA5273P	SIEMENS	MEGATEXT
	KM44C1004D	SEC	DRAM (1M*4BIT)
LCD-CONTROL	HD74HC123P	HITACHI	MULTIVIBRATOR
	74HC04D	PHILIPS	CMOS-LOGIC
	TDA4780	PHILIPS	RGB CONTROL
	TDA8444	PHILIPS	DAC
	CXA1853Q	SONY	RGB DRIVER
	CXA2504N	SONY	SAMPLE/HOLD DRIVER
	CXD2443Q	SONY	TIMING GENERATOR
FEATURE-BOX	CIP3250A	ITT	COMPONENT INTERFACE PROCESSOR
	VPC3215C	ITT	VIDEO PROCESSOR
	TL7705AC	T.I	POWER-ON RESET GENERATOR
	SDA9280	SIEMENS	DISPLAY PROCESSOR
	SDA9272	SIEMENS	VIDEO INTERPOLATION PROCESSOR
	SDA9253	SIEMENS	DRAM
	74F125	PHILIPS	BUFFER

Table 2 - 2 IC Line - Up

BLOCK	SPECIFICATION	MAKER	FUNCTION
PIP	TDA9815	PHILIPS	DEMODULATOR
	TDA9160	PHILIPS	DECORDER/SYNC PROCESSOR
	SDA9187-2X	SIMENS	A/D CONVERTER FOR PIP
	SDA9189X	SIMENS	PIP PROCESSOR

3. Specifications

MODEL		SP403JHP
MAIN CHARACTERISTICS	Progressive	0
	Dolby Prologic	0 (3D Sound)
	AV- LINK	0
SYSTEM	TUNING	Frequency Synthesizer
	COLOR	PAL, SECAM, NTSC
	SOUND	NICAM, A2 STEREO, AM
ANTENNA INPUT		75Ω, Coaxial Cable
POWER	CONSUMPTION	168 W
	REQUIREMENTS	Input Range : 100 ~250V
	FREQUENCY	50Hz
LCD	SIZE	1.43" , 16:9
	TYPE	p-Si : Active matrix TFT
NUMBER OF CHANNELS		100
TUNING RANGE		VHF : 2 ~ 12, UHF : 21 ~ 69, Cable : S1 ~ S41
SOUND OUTPUT		Right : 13W Left : 13W
SOCKETS	EXT4	-1 RCA Input / 1 S-Video input -Headphone Audio Output
	BACK (1 SCART/2 RCA)	-EXT1 : full RGB Scart / AV-LINK -EXT2 : RCA (Selectable Output) -EXT3 : RCA (Selectable Output) -Dolby Prologic Signal Output (RCA Jack)

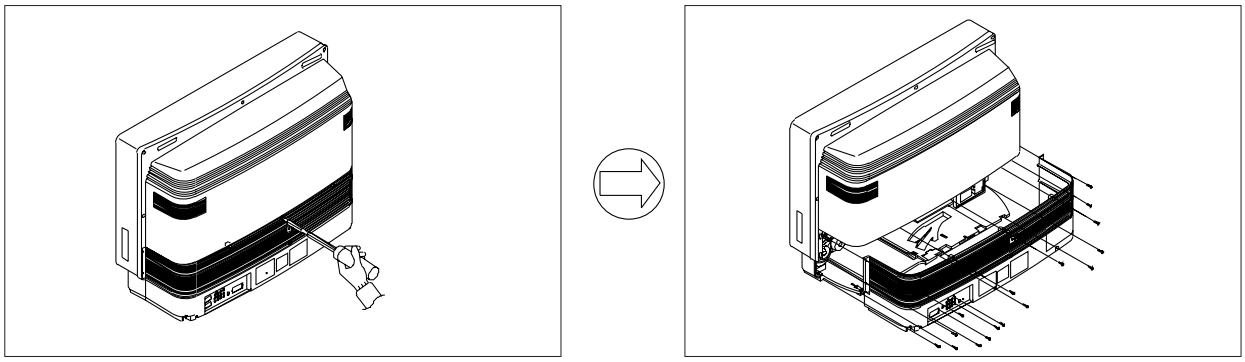
Specifications are subject to change.

MEMO

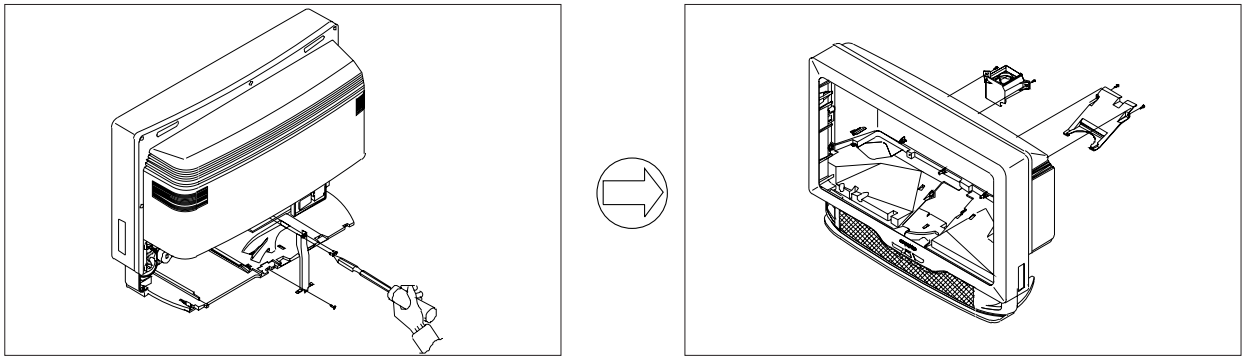
4. Disassembly and Reassembly

4-1 Back Cover Removal

1. After removing the 16 screws, pull the bottom part of the cabinet back wards.

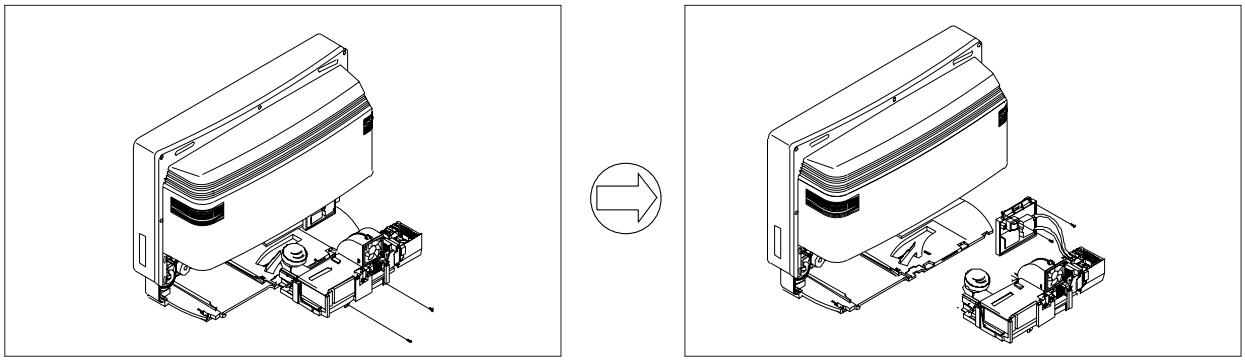


2. Loosen the 4 screws and remove the supporter.



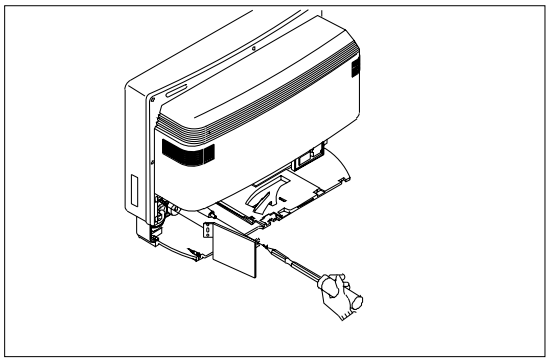
3. After loosening the 4 screws, remove the lens cover and fan duct.

4. Loosen the 2 screws. Remove the optical meter.

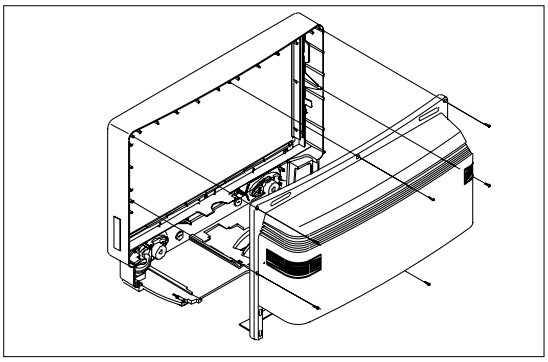


5. Loosen the 2 screws. Remove the stabilizer.

6. After loosening the 2 screws, remove the chassis holder and power mounting.

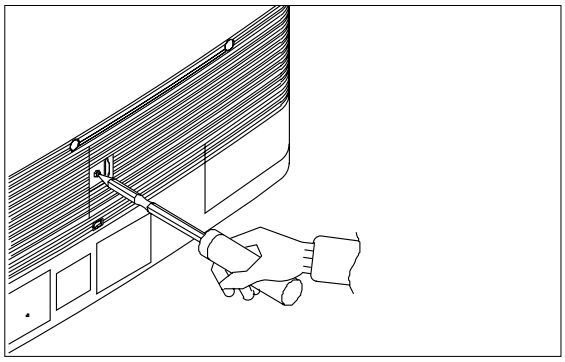


7. After removing the 6 screws, pull the top cabinet backwards.

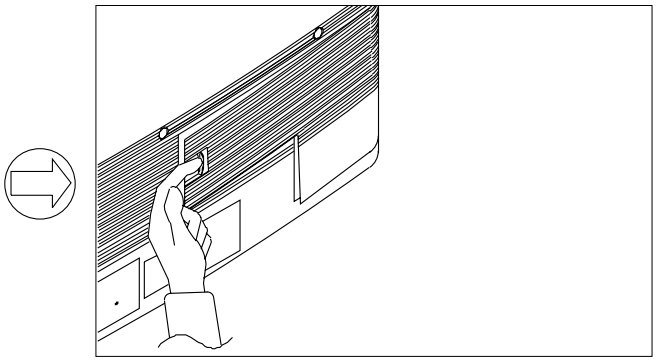


4-2 Lamp Replacement

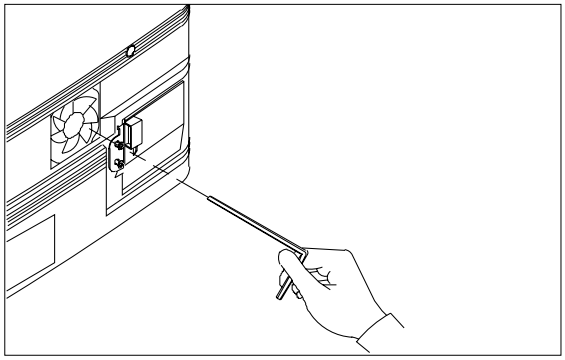
1. Loosen the screw.



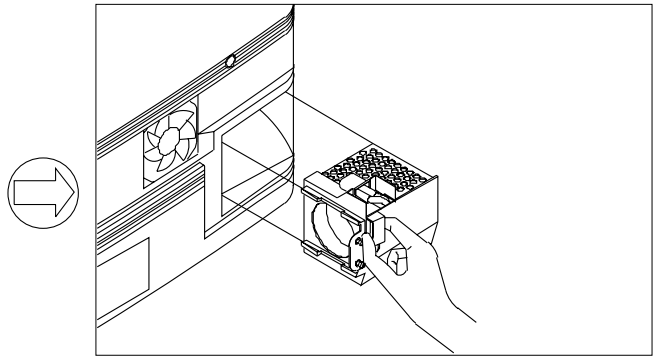
2. Remove the cover.



3. Using a hexagonal wrench, loosen the two screws that secure the lamp.



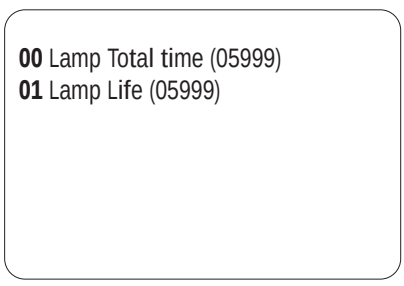
4. Pull out the lamp.



5. PROCEDURE

   After completing the lamp replacement, enter the Service Mode
   Press the remote control Keys in the following sequence:

   "Display → P.STD → Mute → Power"



(1) Select 01 (lamp life) with using the channel (▼) key, then press the volume (+) key (See the figure below).

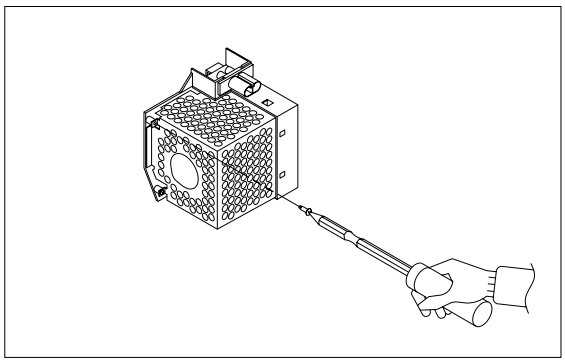
(2) Press the Cancel key to reset the lamp life ("00000").

(3) Press the Power key to reset the factory value.

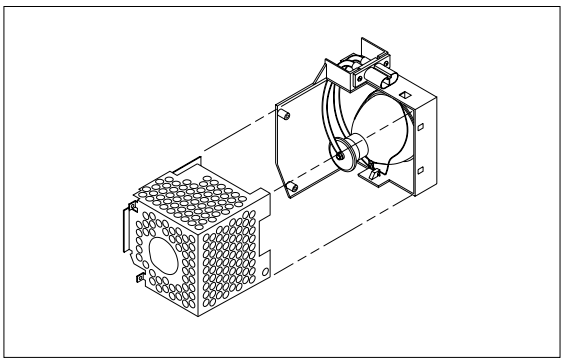
(4) Press the DISPLAY key to verify that the lamp use time is ø.

4-2-1 Lamp (Bulb only) Replacement

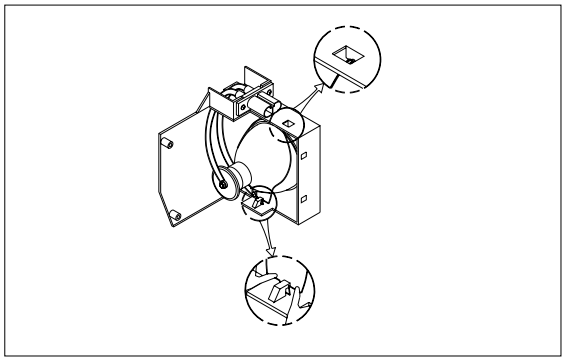
1. Loosen the two screws.



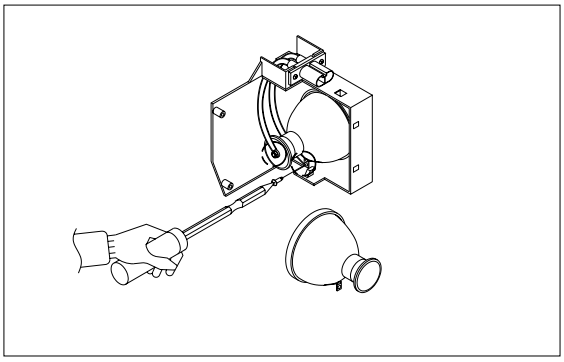
2. Remove the lamp-bracket from the lamp assembly.



3. After loosening the two brackets, remove the lamp-holder and wires.

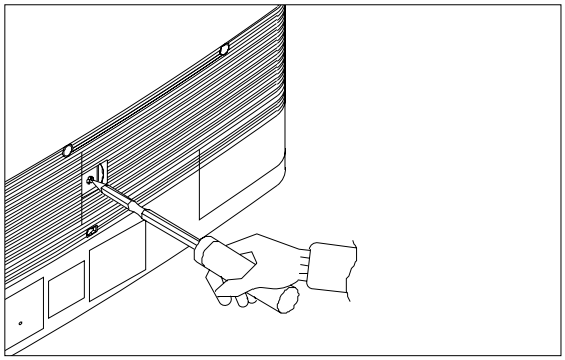


4. After loosening one screw and one nut, remove the bulb.

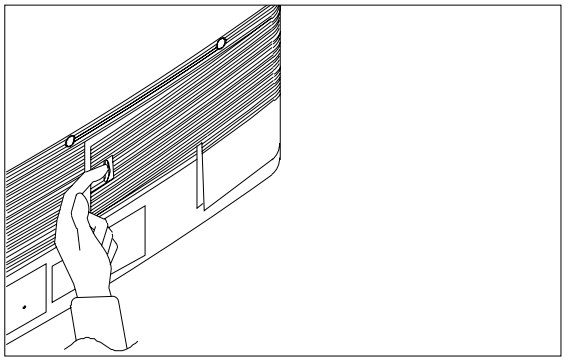


4-3 Air Filter Check

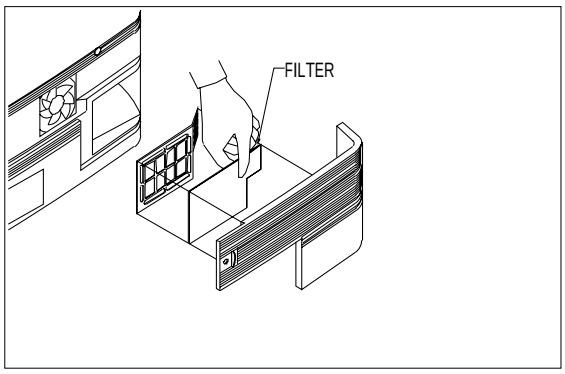
1. Loosen the screw.



2. Remove the cover.

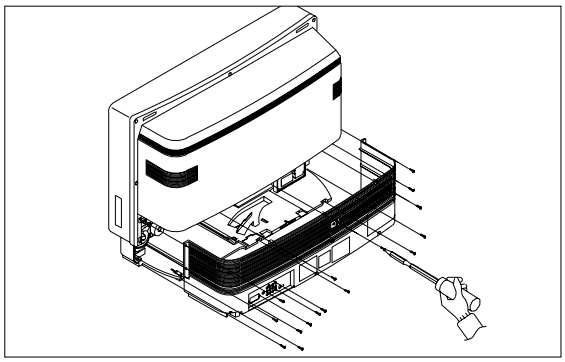


3. After removing the holder and filter from the cover, clean the filter.

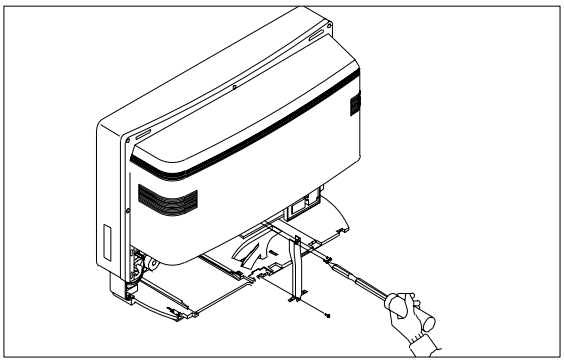


4-4 Liquid Crystal Panel Replacement

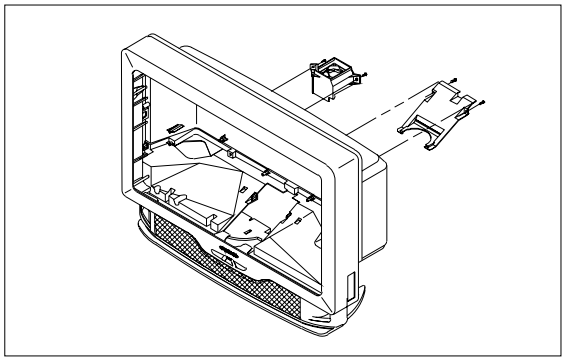
1. After removing the 16 screws, pull the cabinet backwards.



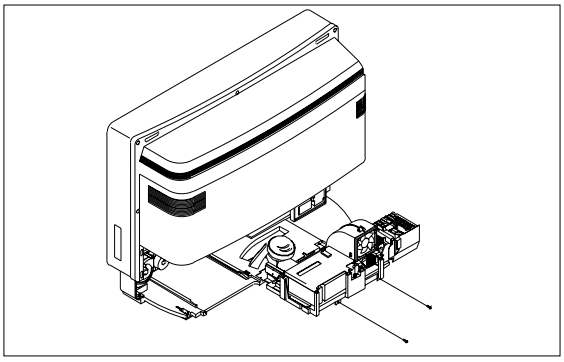
2. Loosen the 3 screws. Remove the supporter.



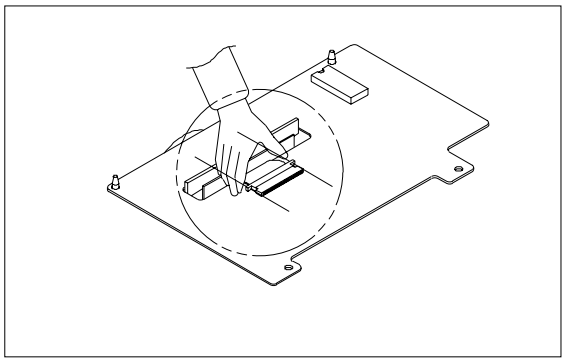
3. After loosening the 4 screws, remove the lens cover and fan duct.



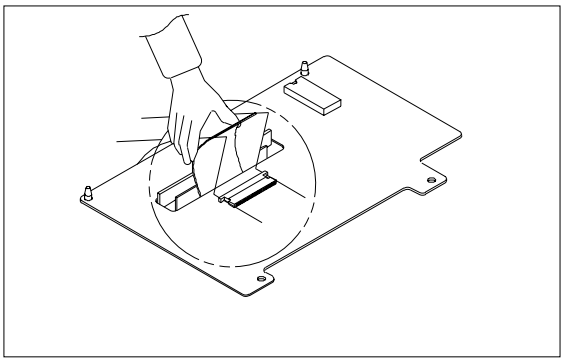
4. Loosen the 2 screws. Remove the optical meter.



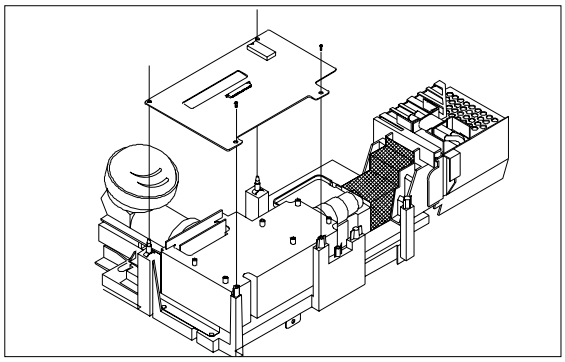
5. Remove the GUIDE from the FPC-Connector.



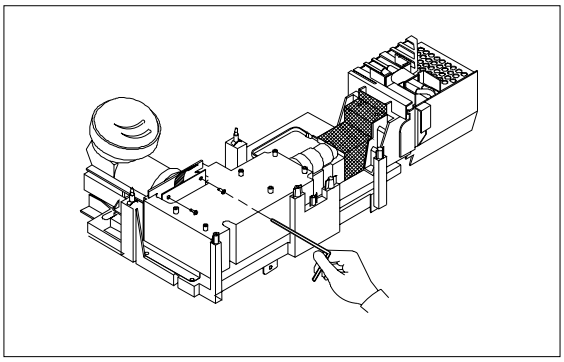
6. Remove FPC cable from the FPC-Connector.



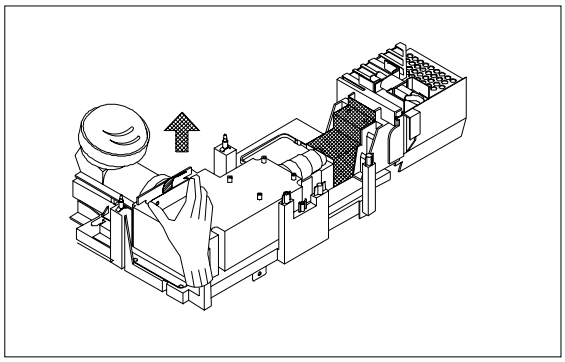
7. Loosen the 2 screws, 2 PCB spacers and remove the PCB-LCD.



8. Using a hexagonal wrench, loosen the two screws.

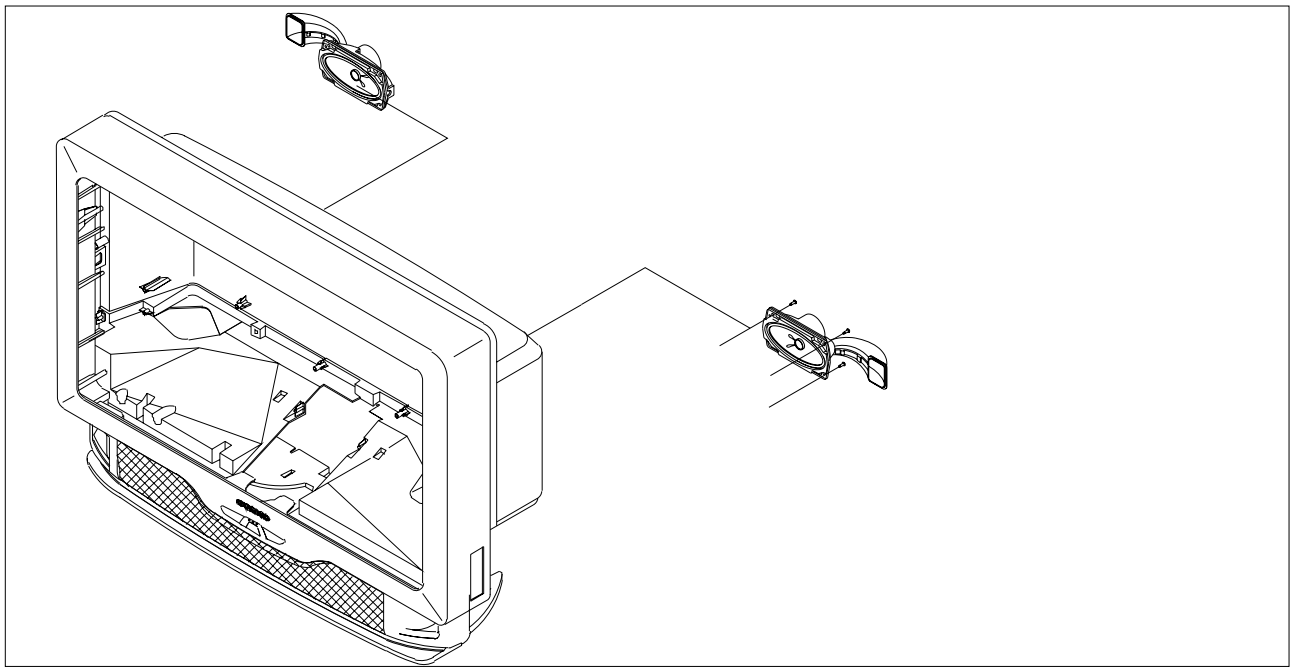


9. Lift the LCD in the direction of arrow.



4-5 Speaker Removal

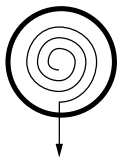
1. Loosen the 4 screws and remove the speaker holders.



5. Alignment and Adjustments

5-1 Lens and Mirror Cleaning

1. Mix the alcohol and ethyl in appropriate proportions.
2. Use a clean cotton cloth or a cleaning paper.
3. Clean the top of the lens by turning it as shown. The pattern starts at the center and proceeds outward, as shown below:



4. Use minimal pressure when rubbing the mirror. Otherwise, the surface will be damaged.

5-2 Focus Adjustment for Projection Lens

1. Loosen the 4 screws that secure the optical assembly.
2. After setting the optical assembly on the front cabinet, secure the unit temporarily using the two screws.
3. After applying the liquid crystal panel signal, input a lion head pattern from a pattern generator.
4. Move the focus adjustment screws right and left until the liquid crystal picture element is clearly displayed on the screen.
5. Reposition the optical assembly, and fasten all 4 screws.
6. Check the focus adjustment.
7. Repeat adjustments 1~5, if necessary.

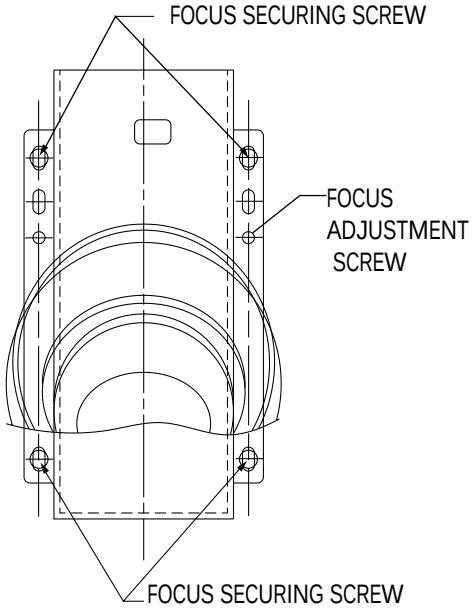


Fig. 5-1

5-3 Liquid Crystal Screen Center Adjustment

After replacing with the new liquid crystal panel, make sure that the liquid crystal screen center is aligned with the screen center. If they are not aligned, make the following adjustments:

1. Using a hexagonal wrench, loosen the two screws that secure the liquid crystal panel.

   Note: Loosen the screws just until the panel can move easily.

2. Using two fingers, lift the liquid crystal upward. (The screen moves downward.)

3. When moving the liquid crystal panel towards the left, the screen moves right (and vice versa).

5. Repeat adjustments 2~4 until the screen center is aligned vertically and horizontally.

6. Using a hexagonal wrench, refasten the two screws.

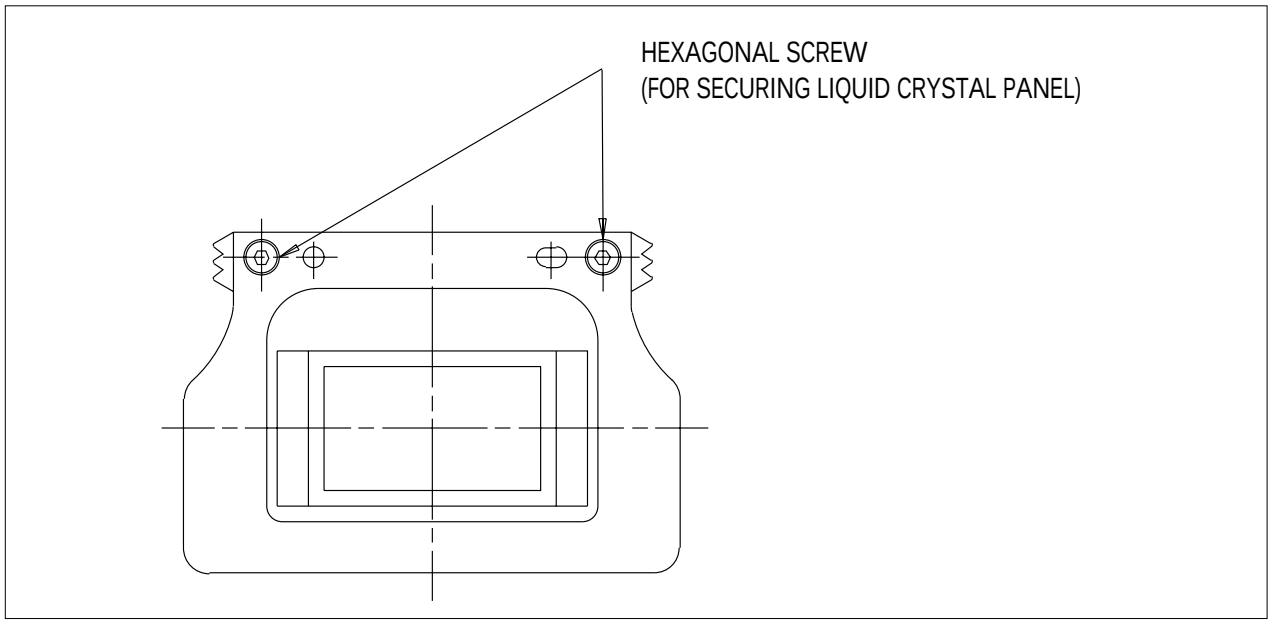
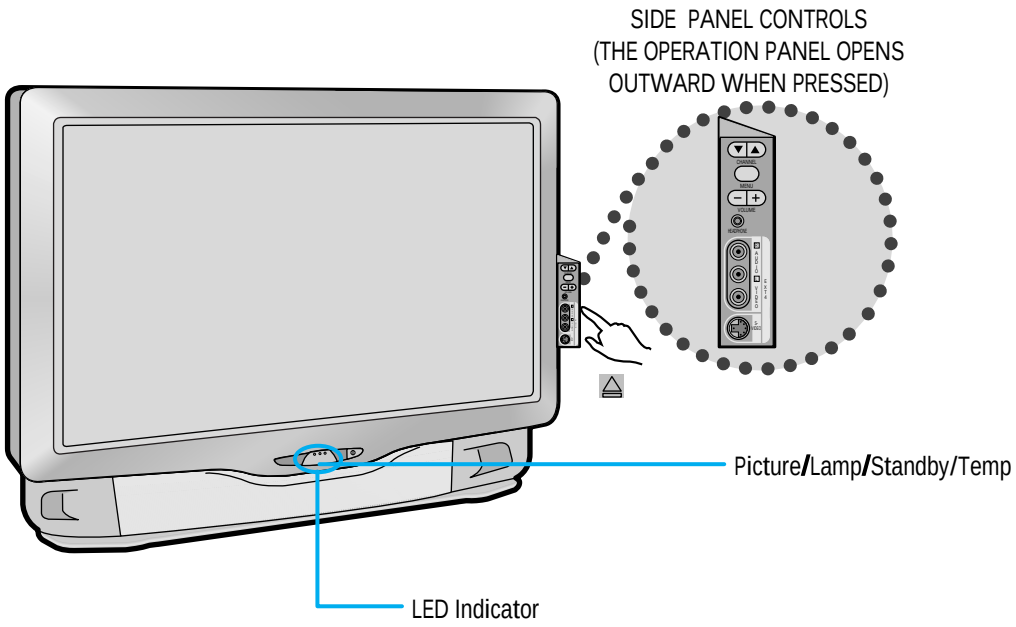
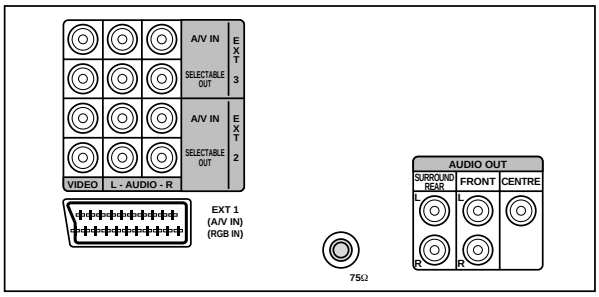


Fig. 5-2

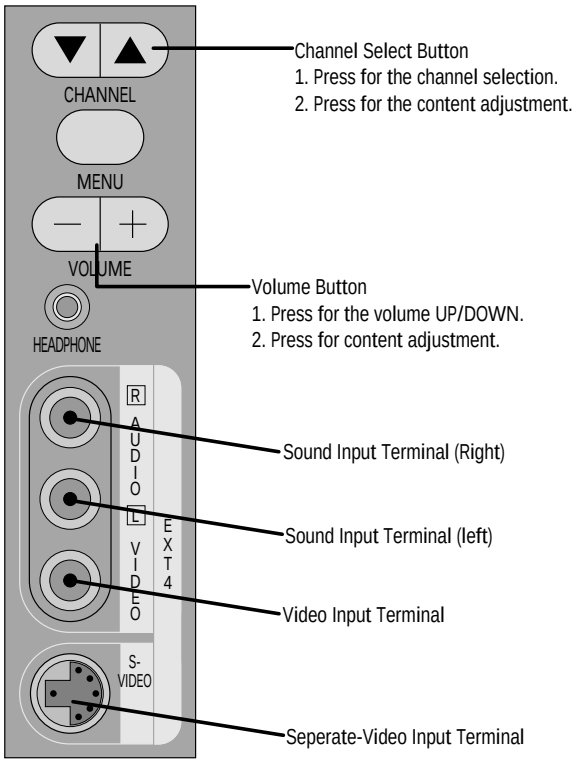
5-4 Side Panel Controls



5-4-1 Rear Panel Jacks



5-4-2 Side Operation Panel



5-5 Service Mode Adjustments

5-5-1 MATRIX IC (TDA4780) Adjustment

No.	Item	Range	Initial value	Description
00	RED DRIVE	63	39	Adjustment for the R gain
01	GREEN DRIVE	63	33	Adjustment for the G gain
02	BLUE DRIVE	63	27	Adjustment for the B gain
03	RED CUTOFF	63	32	Adjustment for the R cutoff
04	GREEN CUTOFF	63	32	Adjustment for the G cutoff
05	BLUE CUTOFF	63	32	Adjustment for the B cutoff
06	SUB BRIGHTNESS	20	11	Adjustment for the brightness
07	SUB CONTRAST	20	20	Adjustment for the contrast
08	SUB COLOR	20	00	Adjusts the color difference signal level of YUVIN 1
09	PEAK DRIVE LIMIT	63	43	Adjustment for the peak drive limit
10	P.YC DELAY	15	10	Adjustment for the P.YC delay
11	SUB TINT	17	09	Adjusts the center of tint (0 →R 9 →CENTER 17 →G)
12	γ CORRECTION	63	00	Adjustment for the γ correction

5-5-2 LCD Interface IC (CXA1853_A) Adjustment

No.	Item	Range	Initial value	Description
00	Gamma gain 1	63	41	Adjusts the gain of black side on the gamma curve (R,G.B)
01	R gamma gain 1	63	23	Adjusts the gain of black side on the gamma curve for R
02	B gamma gain 1	63	48	Adjusts the gain of black side on the gamma curve for B
03	Gamma gain 2	63	16	Adjusts the gain of white side on the gamma curve (R,G.B)
04	SID ctrl	63	36	Adjusts the gain of SID control
05	B gamma gain 2	63	36	Adjusts the gain of white side on the gamma curve for R
06	Gamma ctrl 2	63	34	Adjusts the change point of the white side on the gamma curve (R,G,B). The smaller the value, the more it moves towards white.
07	Main bright	63	61	Adjust the DC level of R,G,B signal before doing the gamma adjustment. It determines the change point of the gamma curve. The greater the value, the darker it gets.
08	R main bright	63	37	Adjusts the DC level of R before doing the gamma adjustment. It determines the change point of the gamma curve. The greater the value, the darker it gets.
09	B main bright	63	36	Adjusts the DC level of B before doing the gamma adjustment. It determines the change point of the gamma curve. The greater the value, the darker it gets.
10	White limit	63	41	Adjusts the limiter voltage of white peak of R,G,B video signal (applied to LCD). The greater the value, the lower the limiter voltage becomes.

5-5-3 LCD Interface IC (CXA1853_B) Adjustment

No.	Item	Range	Initial value	Description
00	Gamma ctrl 1 off	63	41	Adjusts the change point of the black side on the gamma curve (R,G,B). The greater the value, the more it moves towards black
01	Black Stretch On	36	36	Adjusts the change point of the back side on the (R,G,B) gamma curve. Moves the change point to the white side. The value is always less than the one of the gamma ctrl 1 off.
02	R gamma ctrl 1	63	33	Adjusts the change point of the back side on the gamma curve for R. The greater the value, the more it moves towards black.
03	B gamma ctrl 1	63	33	Adjusts the change point of the black side on the gamma curve for B. The greater the value, the more it moves towards black.
04	Sub bright	20	00	Adjusts the brightness of R, G, B after doing the gamma adjustment. No change of the gamma curve. The greater the value, the darker it gets.
05	R sub bright	63	36	Adjusts the brightness of R after doing the gamma adjustment. No change on the gamma curve. The greater the value, the darker it gets.
06	B sub bright	63	41	Adjusts the brightness of B after doing the gamma adjustment. No change on the gamma curve. The greater the value, the darker it gets.
07	Common ctrl	63	30	Adjusts the common voltage (applied to LCD)
08	Signal center	63	15	Adjusts the DC level of composite video signals (applied to LCD). Set the signal center to 7V.
09	Sub contrast	63	41	Adjusts the gain of R, G, B (applied to LCD).
10	R sub contrast	63	40	Adjusts the gain of R (applied to LCD).
11	B sub contrast	63	37	Adjusts the gain of B (applied to LCD).

5-5-4 LCD CONTROLLER (CXD2443Q) Adjustment

No.	Item	Range	Initial value	Description
00	LCD h pos	255	120	Determines the start location of horizontal indication by picture element.
01	LCD v pos	15	4	Determines the start location of vertical indication (within 1H)
02	SH position	15	6	Determines the phase of the sample/hold pulse.

5-5-5 PIP Adjustment

No.	Item	Range	Initial value	Description
00	Hisdel	15	10	Adjusts the position of PIP
01	Con	15	0	Adjusts the contrast of PIP
02	50.HSP	-	0	-
03	50.VSP	-	0	-

5-5-6 Lamp's Total Hours

No.	Item	Range	Initial value	Description
00	lamp total time	05999		Records total elapsed time (from the time where power is first applied). Reset not possible
01	lamp time	05999		Records total elapsed time (from the point where power is first applied). Reset (using the cancel key). The lamp time is displayed by using the Display key. Reset must be done during the set shipment. Reset must be done after lamp replacement.

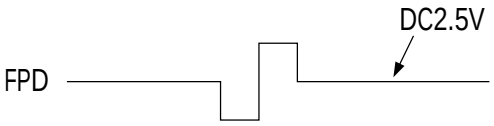
5-5-7 Option

No.	Item	Range	Initial value	Description
00	Epg	on/off	off	Electronic program guide
01	Av_link	on/off	on	Av_link
02	Palplus	on/off	off	-
03	27Mhz external	on/off	on	27Mhz external
04	16 : 9 wide	on/off	on	16 : 9 wide
05	Center speaker	on/off	off	Center speaker
06	S-audio mute	on/off	off	Scart audio mute
07	Blue screen	on/off	on	Blue screen
08	UHF only	on/off	off	UHF only
09	Vga	on/off	off	Vga input
10	Atm one run	on/off	on	Atm one run
11	Size key	on/off	on	Size key
12	vert. peaking	on/off	on	vert. peaking

5-6 Circuit Adjustments

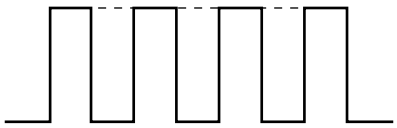
5-6-1 LCD Control Board PLL Adjustment

1. Input a color bar signal.
2. Connect CNL06,RPD to an oscilloscope, and check the waveforms.
   (1 V/div, 20 u sec/div)



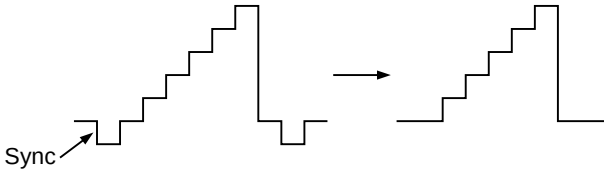
5-6-2 Matrix IC (TDA4780) Sub Tint Adjustment

1. Input a color bar signal.
2. Connect CNL07 (B output) to an oscilloscope, and check the waveform.
   (0.5 V/div, 20 u sec/div)



5-6-3 Matrix R Output Signal Amplitude Adjustment (Red Drive)

1. Input a 10-step signal (Color OFF).
2. Connect CNL07 (R output) to an oscilloscope, and check the waveform.
   (0.5 V/div, 10 u sec/div)
3. Adjust the red drive so that the signal amplitude becomes 0.7Vp-p.
4. Adjust the Sub-brightness of TDA4780 so that the waveform (without sync) is seen as shown in the figure below.



5-6-4 Matrix G Output Signal Amplitude Adjustment (Green Drive)

1. Input a 10-step signal (Color OFF).
2. Connect CNL07 (G output) to an oscilloscope, and check the waveform.
   (0.5 V/div, 10 u sec/div)
3. Adjust the green drive so that the signal amplitude becomes 0.7Vp-p.

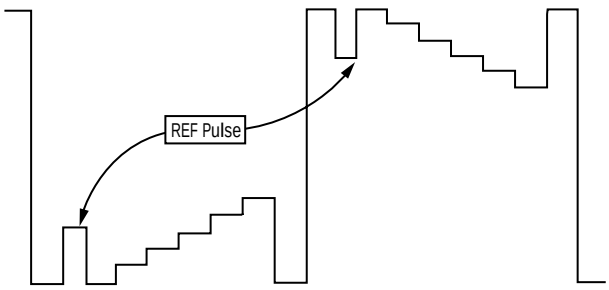
5-6- 5 Matrix B Output Signal Amplitude Adjustment (Blue Drive)

1. Input a 10-step signal (Color OFF).
2. Connect CNL07 (B output) to an oscilloscope, and check the waveform.
   (0.5 V/div, 10 u sec/div)
3. Adjust the blue drive so that the signal amplitude becomes 0.7Vp-p.

5-6-6 Main Brightness Adjustment

1. Input a 10-step signal (Color OFF).
2. Connect LCD CNL08(R1) input to an oscilloscope, and check the waveform.
   (2 V/div, 10 u sec/div)
3. Adjust the main brightness so that the Ref pulse is positioned on the center of signal.

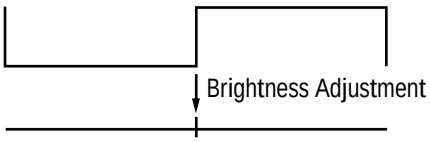
Note : The change point (on gamma curve) is determined by Ref.



5-6-7 R Main Brightness & B Main Brightness Adjustments

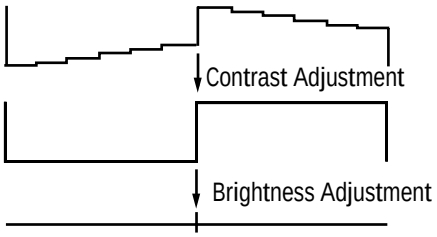
1. Input a 5-step signal (Color OFF).
2. Connect CH1 to LCD G1 input and CH2 to LCD R,B input. (1 V/div, 10 u sec/div)
3. Reverse the CH2 signal, and add CH1 and CH2 in ADD mode.
4. Adjust R,B main brightness for the waveform shown below.

Note: The R,B main brightness adjustment should be done with Gamma Adjustment OFF (gamma ctrl1 = 63, gamma ctrl2 = 17).



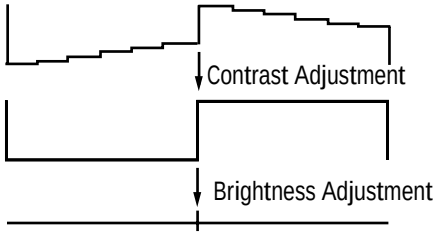
5-6-8 R Sub-brightness & R Contrast Adjustments

1. Input a 5-step signal (Color OFF).
2. Connect CH1 to LCD G1 input and CH2 to LCD R1 input. (1 V/div, 10 u sec/div)
3. Reverse the CH2 signal, and add CH1 and CH2 in ADD mode.
4. Adjust R sub-contrast and R sub-brightness waveforms, as shown below:



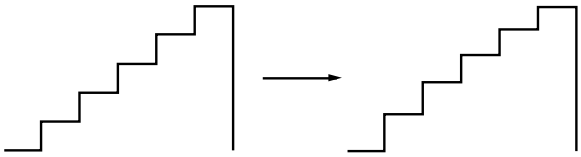
5-6-9 B Sub-brightness & B Contrast Adjustments

1. Input a 5-step signal (Color OFF).
2. Connect CH1 to LCD G1 input and CH2 to LCD B1 input. (1 V/div, 10 u sec/div)
3. Reverse the CH2 signal, and add CH1 and CH2 in ADD mode.
4. Adjust B sub-contrast and B sub-brightness waveforms, as shown below:



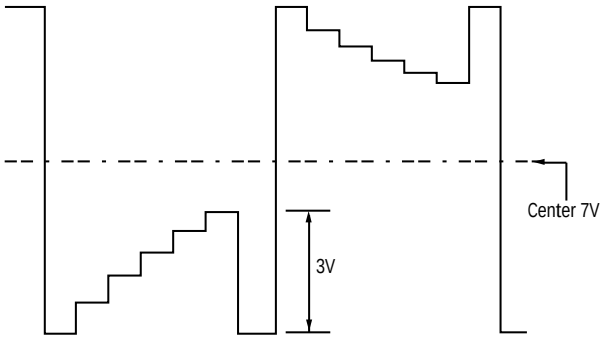
5-6-10 Gamma Adjustment

1. Input a 5-step signal (Color OFF).
2. Connect LCD G1 input to an oscilloscope. (2 V/div, 10 u sec/div)
3. Adjust the gamma gain1, gain2 and the gamma ctrl1, crtl2 for the waveform shown below.



5-6-11 Sub-Contrast Adjustment

1. Input a 5-step signal (Color OFF).
2. Connect LCD G1 input to an oscilloscope. (2 V/div, 10 u sec/div)
3. Adjust the sub-contrast so that the signal level is 3V, as shown below:



5-6-12 Signal Center Adjustment

1. Input a 5-step signal (Color OFF).
2. Connect LCD G1 input to an oscilloscope, and check the waveform. (2 V/div, 10 u sec/div)
3. Set the signal center to 7V.

5-6-13 Common Voltage Adjustment

1. Connect LCD COMMON input to an oscilloscope, and check the waveform. (1 V/div, 10 u sec/div)
2. Set the common control to 6.8V.

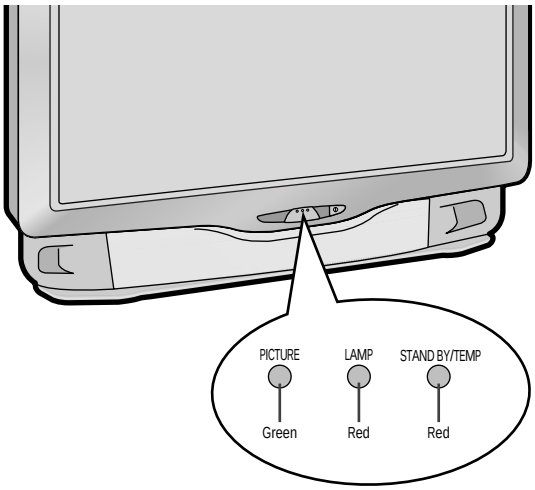
5-6-14 White Balance Adjustment

1. Input a lion head pattern from a pattern generator.
2. Adjust the sub-brightness so that the white cannot be saturated.
3. Adjust R,B contrast for the high light of white balance.
4. Adjust R,B sub-brightness when the middle tone is not black and white,but colored. Repeat adjustments 3 ~ 4 for optimum.
5. Adjust gamma crtl1 for adjusting the brightness of the black side.
6. Adjust R,B gamma crtl1 while checking the tone of the black side so that any color is not seen.
7. Repeat adjustments 2 ~ 6, if necessary.

5-6-15 Center Convergence Adjustment

1. Input a lion head pattern from a pattern generator.
2. Adjust the LCD Horizontal/Vertical POS.

5-7 LED Display Check



◯ : OFF ● : ON ◑ : Blinking

No	Status	Picture	Lamp	Stand By Temp
1	Master Power ON (in the Stand-by Mode)	◯	◯	●
2	Normal operation	●	●	◯
3	Lamp is warming up. The normal picture comes on after 25 seconds.	◑ ◯	● or ◑	◯ ◯
4	Air vent cover in the rear of the TV is not properly installed.	◯	◑	◑
5	Inside temperature of the TV is over normal. Clean the air vent cover in the rear of the TV. Turn the TV back on after 1 hour. (see below “Temperature”)	◯	◯	◑
6	The lamp needs to be replaced.	◑	◑	◑

◆ Temperature

Wen the inside temperature of the TV becomes too high, the TV set is automatically turned off.
You will observe the following.

1. “TEMP” LED is blinking for about 5 ~ 6 seconds.
2. The picture is turned to blue screen and “TEMPERATURE” character blinks for about 5 ~ 6 seconds.
3. The power is turned off and “TEMP” LED is blinking for about 20 seconds.
   (This is not a TV set failure and normal operation)

6. Troubleshooting

6-1 Service Mode

1. To enter the Service Mode, press the remote-control keys in the following sequence:
   Display → Picture Standard → Mute → Power

2. Use the Channel UP/DOWN keys to move within the Service Mode.

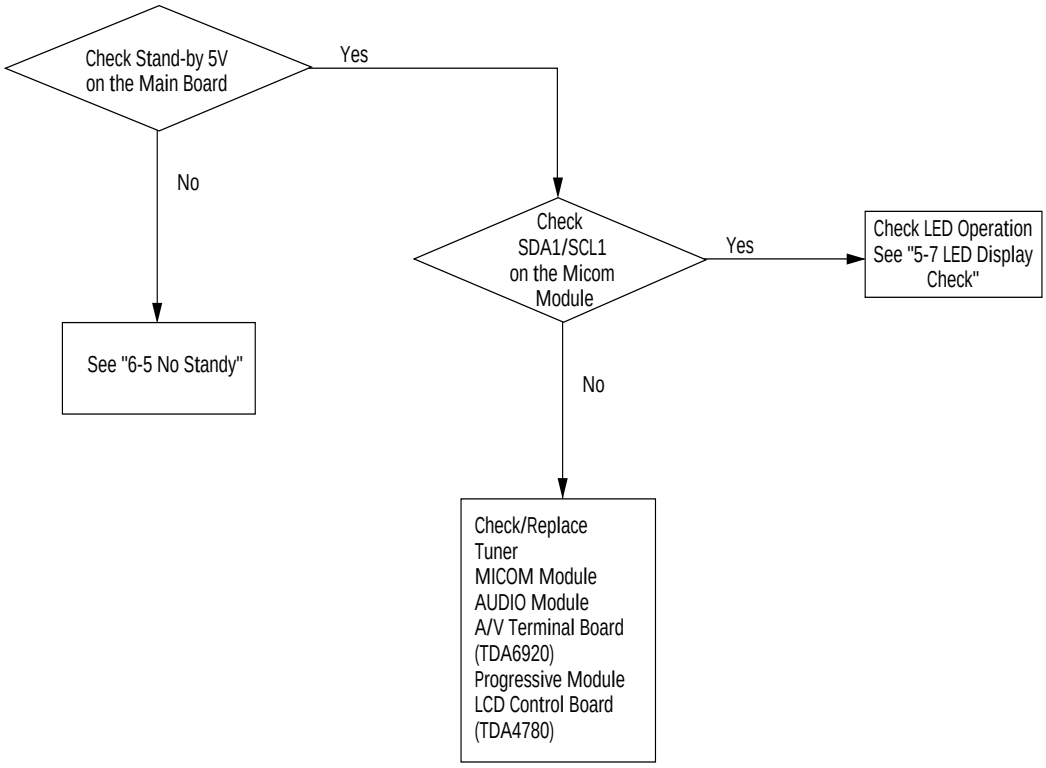
3. Use the Vol (+) key and Vol (-) key to change data.

   (1) Press the Vol (+) key to increase data.

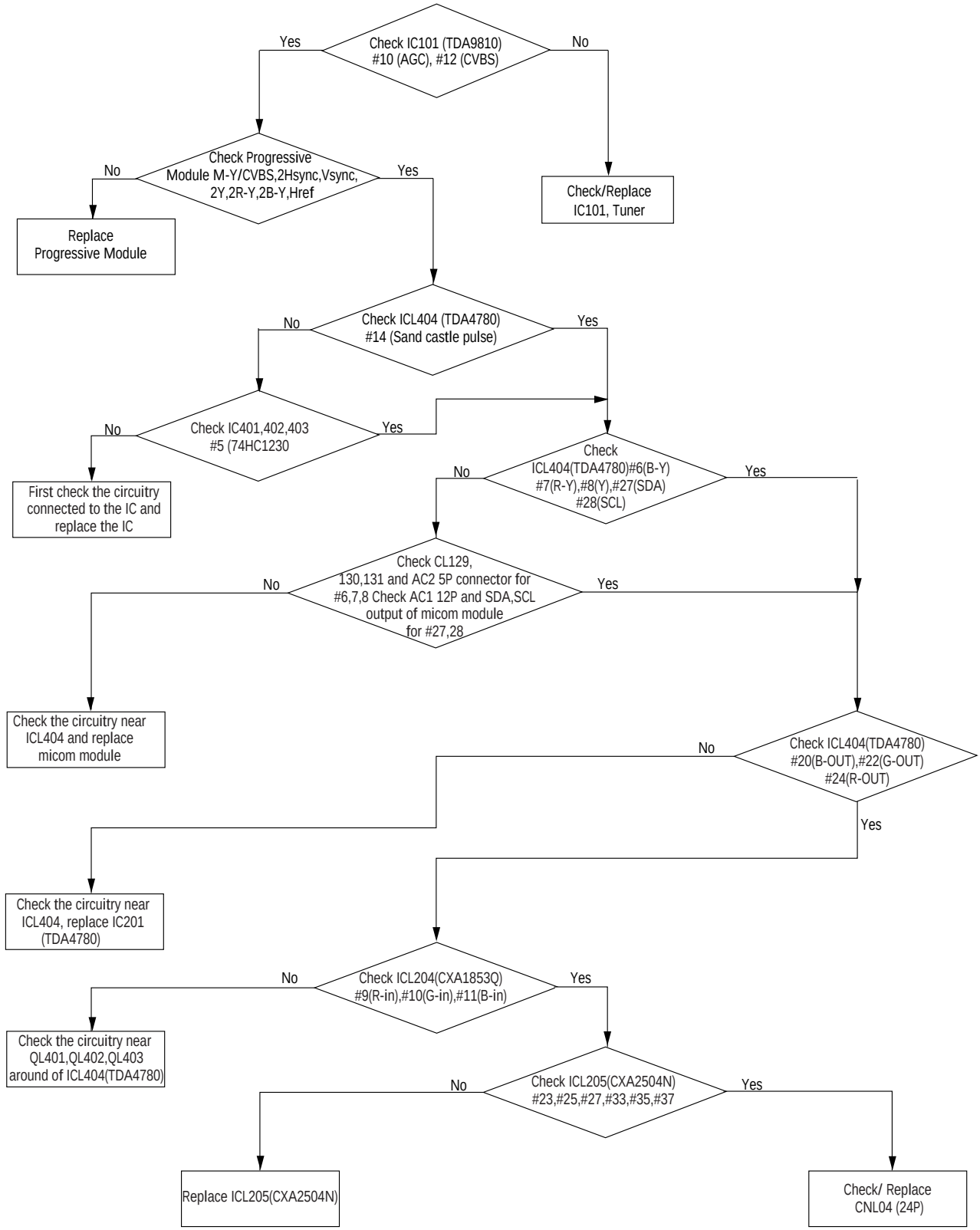
   (2) Press the Vol (-) key to decrease data.

4. Use the Power key to exit and store data in memory.

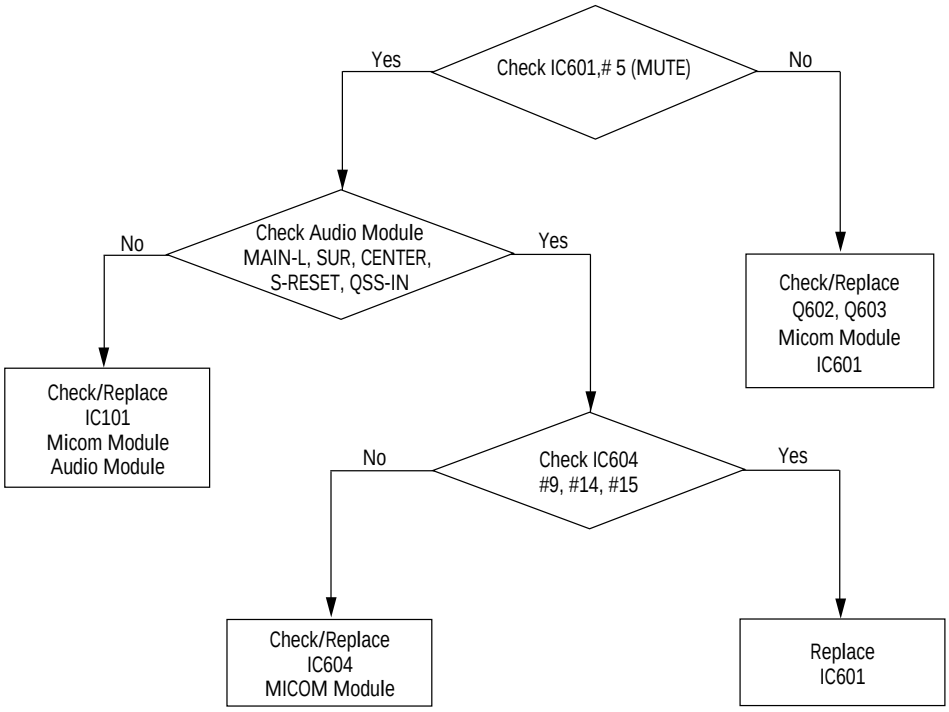
6-2 No Power


Check Stand-by 5V on the Main Board
Yes
No
See "6-5 No Standy"
Check SDA1/SCL1 on the Micom Module
Yes
Check LED Operation See "5-7 LED Display Check"
No
Check/Replace
Tuner
MICOM Module
AUDIO Module
A/V Terminal Board (TDA6920)
Progressive Module
LCD Control Board (TDA4780)

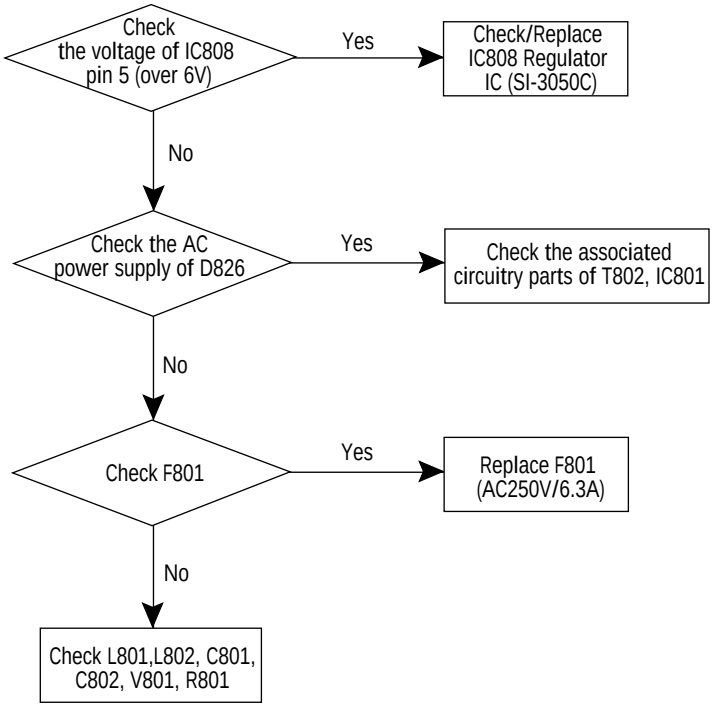
6-3 No Picture



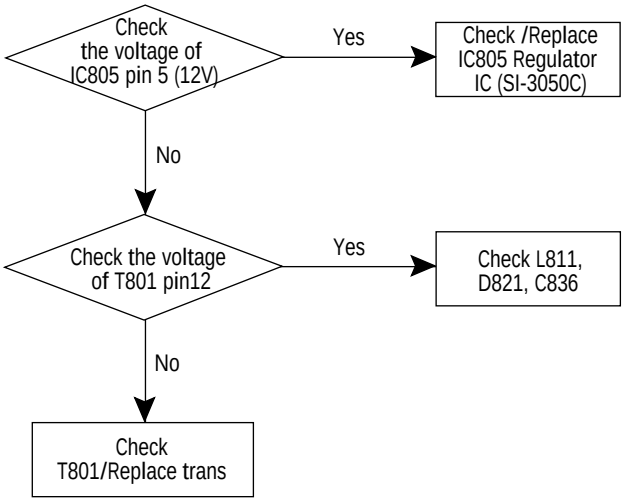
6-4 No Sound



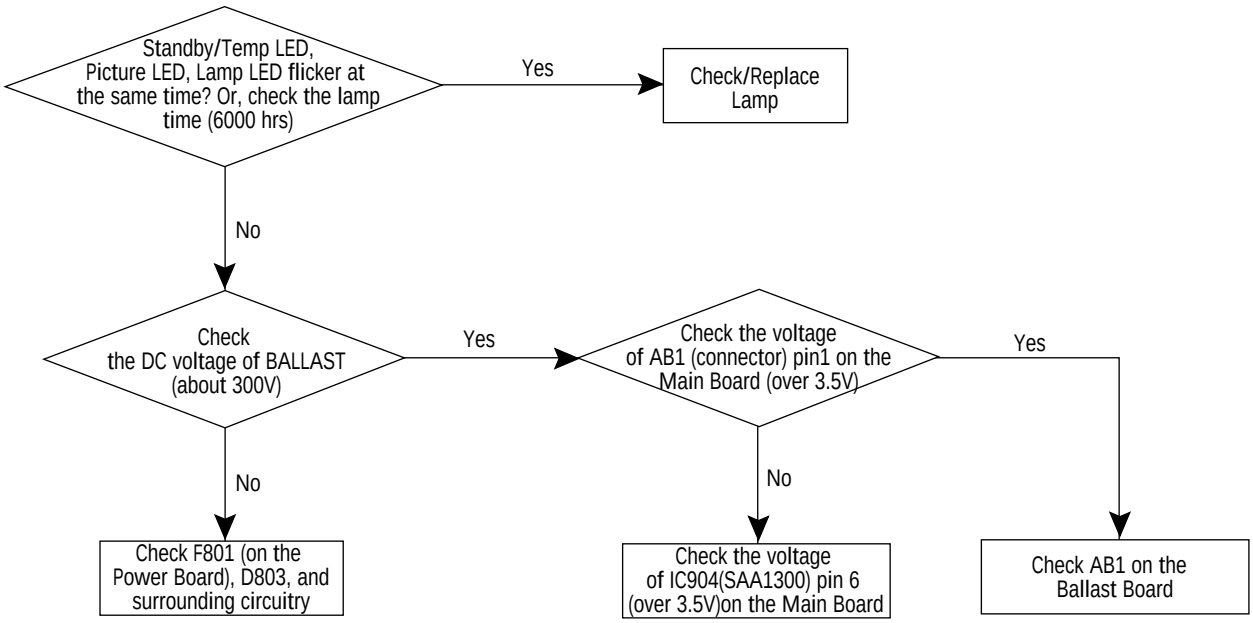
6-5 No Standby (+5V)



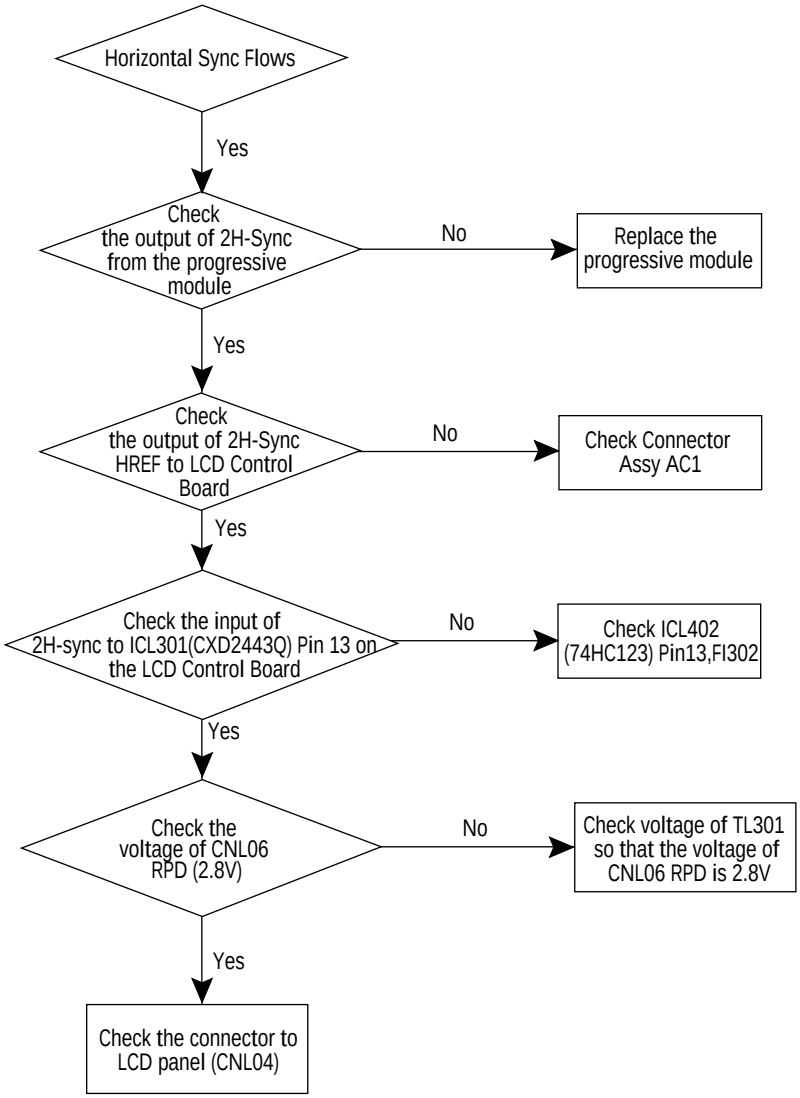
6-6 No FAN Voltage (+8V)



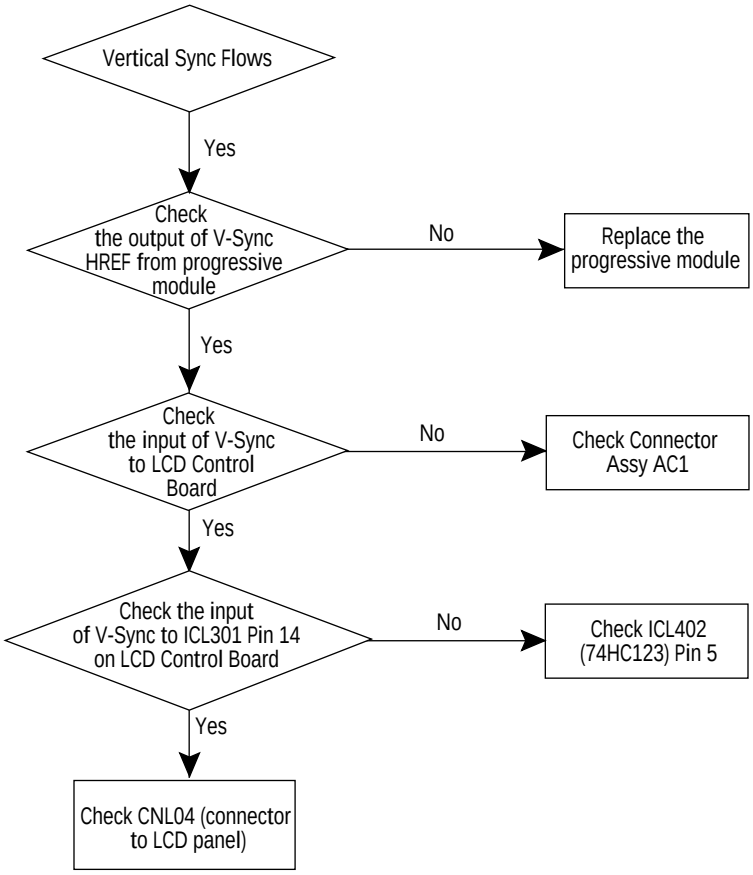
6-7 Lamp Does Not Work



6-8 Horizontal Sync Flows

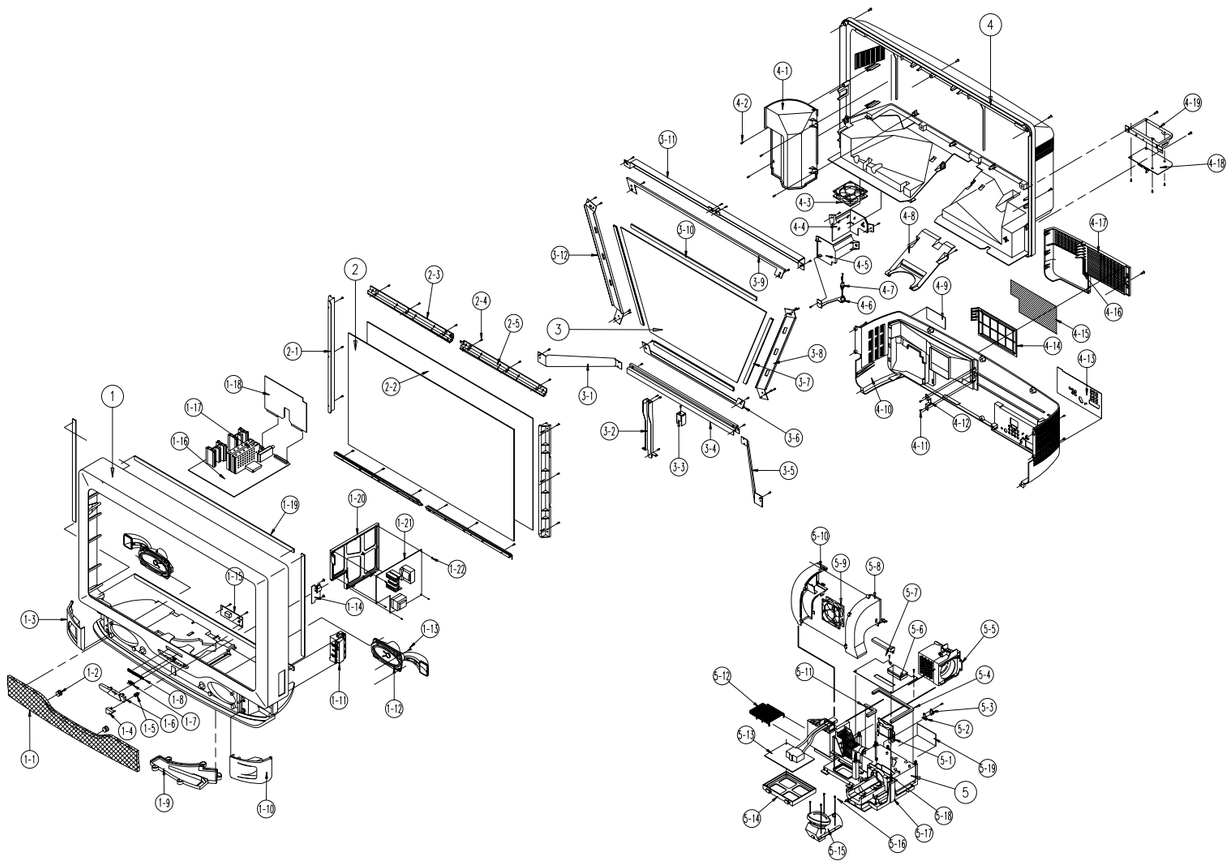

Horizontal Sync Flows
Yes
Check the output of 2H-Sync from the progressive module
No
Replace the progressive module
Yes
Check the output of 2H-Sync HREF to LCD Control Board
No
Check Connector Assy AC1
Yes
Check the input of 2H-sync to ICL301(CXD2443Q) Pin 13 on the LCD Control Board
No
Check ICL402 (74HC123) Pin13,FI302
Yes
Check the voltage of CNL06 RPD (2.8V)
No
Check voltage of TL301 so that the voltage of CNL06 RPD is 2.8V
Yes
Check the connector to LCD panel (CNL04)

6-9 Vertical Sync Flows


Vertical Sync Flows
Yes
Check the output of V-Sync HREF from progressive module
No
Replace the progressive module
Yes
Check the input of V-Sync to LCD Control Board
No
Check Connector Assy AC1
Yes
Check the input of V-Sync to ICL301 Pin 14 on LCD Control Board
No
Check ICL402 (74HC123) Pin 5
Yes
Check CNL04 (connector to LCD panel)

7. Exploded View & Parts List

7-1 SP403JHPX/UMG



No	Code No	Description ;Specification	Q'ty	Remark
1	AA91-10308Q	ASSY-CABINET,FRONT;-,SP403JHP,DG703P,HB,BLK	1	
	AA64-30853L	CABINET-FRONT;-,403JHP,DG703PPAL,HIPS,HB,BLK,-,-	1	
1-1	AA63-30128A	COVER-GRILLE;-,SVP-403J,-,HIPS,HB,BLK,-,-	1	
1-2	AA61-20061A	HOLDER-GRILLE;-,S5288,NEOPRENE,HB,BLK,-	2	
1-3	AA63-30127H	COVER-HORN,L;-,SP403JHP,-,HIPS,HB,BLK,-,DG703P	1	
1-4	AA64-10775A	KNOB-POWER,MASTER;-,SP403JHA,-,PC,-,VIOLET	1	
1-5	AA61-60004N	SPRING-ES;-,SUS304,0.6,OD8.1,H10,N5,-,-,	1	
1-6	AA61-20301A	HOLDER-INDICATOR;-,SPM-403J,PC,VO,VIOLET,-	1	
1-7	AA64-40381A	INDICATOR-LED;-,SVP403J,-,ACRYL,HB,CLEAR,-	1	
1-8	AA64-70133A	BADGE-BRAND;NI,SAMSUNG,SILVER,L72,-,-,DP	1	
1-9	AA63-30177A	COVER-DUCT,BOT;-,SVP40LW,-,HIPS,HB,BLK,-,-	1	
1-10	AA63-30126B	COVER-HORN,R;-,SP403JHA,DG703P,HIPS,HB,BLK,	1	
1-11	AA91-20056C	ASSY-DOOR;-,ABS HB,DG-703P,SPM403J	1	
1-12	AA91-60225A	ASSY-HOLDER,SPK;-,PP,HB,BLK,8R20W,168BR20K	1	
1-13	AA60-10011A	SCREW-TAPTITE;HH,+,PC,M4,L12,ZPC(BLK),SWRCH1	8	
1-14	AA95-90032Z	ASSY-PCB,MASTER;-,SP-403JHA,PLT51A,EC,-,-	1	
1-15	AA95-90032Y	ASSY-PCB,REMOCON;-,SP-403JHA,PLT51A,EC,-,-	1	
1-16	AA94-01135A	ASSY-PCB,MAIN(OPT);SP403JHPX/XSA,M51A,AUSTRALIA,SE	1	
1-17	AA95-00198A	ASSY-PCB,MICOM;-,SP403JHP,M51A,-,-,-	1	
1-18	AA95-00130A	ASSY-PCB,A/V TERMINAL;-,SP-403JHP,M51A,-,-,EU	1	
1-19	0203-001125	TAPE-DOUBLE FACE;#4949,T1.1,W6,L3300,BLK	2.8	

No	Code No	Description ;Specification	Q'ty	Remark
1-20	AA61-20217A	HOLDER-CHASS/POWER;ABS VO GRAY	1	
1-21	AA95-00228A	ASSY-PCB,POWER;SP403JHPX/UMG,M51A,40,-,SAUDI,-	1	
1-22	AA60-10008A	SCREW-TAPPING;TH,+,M3,L10,ZPC(YEL),SWRCH18	5	
2	AA67-70049A	SUN-SCREEN;-,SVP-403J,P=0.72,PMMA,-,T=3.0	1	
2-1	AA61-20215A	HOLDER-SCREEN,SIDE;-,S40LW,HIPS,HB,BLK,-	2	
2-2	AA67-70051A	SCREEN-TINT;-,SVP-403J,P=0.72,PMMA,-,T=3.0	1	
2-3	AA61-20214A	HOLDER-SCREEN,TOP;-,SVP403J,HIPS,HB,BLK,-	2	
2-4	6002-000522	SCREW-TAPPING;TH,+,2,M4,L15,ZPC(BLK),SWRCH18	18	
2-5	AA61-20214B	HOLDER-SCREEN,TOP;-,SVP403J,HIPS,HB,BLK,-	2	
3	AA67-20024A	MIRROR-FRONT;40,GLASS,3,-,SURFACE,779x460x	1	
3-1	AA61-10341A	BRACKET-MIRROR,SUP;-,SVP-403J,SECC-1,T1.6,BLK,RIG	1	
3-2	AA61-10371A	BRACKET-BACK,SUP(A);-,SVP-403J,SECC-1,T1.2,BLK,-,-	1	
3-3	AA61-10344A	BRACKET-BACK,BOT;-,SVP-403J,SECC-1,T1.2,BLK,-,-	1	
3-4	AA61-10337A	BRACKET-BACK,TOP;-,SVP-403J,SECC-1,T1.2,BLK,-,-	1	
3-5	AA61-10340A	BRACKET-MIRROR,SUP;-,SVP-403J,SECC-1,T1.6,BLK,LEF	1	
3-6	AA61-10338A	BRACKET-MIRROR,BOT;-,SVP-403J,SECC-1,T1.2,BLK,-,-	1	
3-7	AA63-00021B	SPACER-MIRROR;PVC,-,BLK,-,SVP403J,-	3	
3-8	AA61-10342A	BRACKET-MIRROR,SIDE;-,SVP-403J,SECC-1,T1.6,BLK,LEF	1	
3-9	AA61-10339A	BRACKET-MIRROR,TOP;-,SVP-403J,SECC-1,T1.2,BLK,-,-	1	
3-10	AA63-00021A	SPACER-MIRROR;PVC,-,BLK,-,SVP403J,-	1	
3-11	AA61-10323A	BRACKET-FRONT,T;-,SVP-403J,SECC-1,T1.2,BLK,-,-	1	
3-12	AA61-10343A	BRACKET-MIRROR,SIDE;-,SVP-403J,SECC-1,T1.6,BLK,RIG	1	
4	AA64-30854E	CABINET-BACK,TOP;-,S403J,-,HIPS,V0,BLK,-,-	1	
4-1	AA63-30130A	COVER-DUCT;-,SVP403J,-,HIPS,V0,BLK,-,-	1	
4-2	6002-000522	SCREW-TAPPING;TH,+,2,M4,L15,ZPC(BLK),SWRCH18	4	
4-3	3103-001017	FAN-DC;12VDC,120mA,2200rpm,1m^3,2.3P	1	
4-4	AA63-30180A	COVER-DUCT,OUT,R;-,SVP-403J,-,ABS,V0,BLK,-,-	1	
4-5	AA63-30181A	COVER-DUCT,OUT,L;-,SVP-403J,-,ABS,V0,BLK,-,-	1	
4-6	AA61-11006A	BRACKET-LAMP;-,SVP-403J,SECC-1,T1.0,-,-,-	1	
4-7	4712-001011	THERMOSTAT;125/250V,15A/7.5A,105+-5C,95+-7,200MA	1	
4-8	AA63-30176A	COVER-LENS,A;-,SVP-403J,-,HIPS,VO,BLK,-,-	1	
4-9	AA64-60411C	INLAY-LAMP;PLH403W,-,PS-SHEET,T0.5,-,-,-	1	
4-10	AA64-31012D	CABINET-BACK,BOT;-,S403J,-,HIPS,V0,BLK,-,-	1	
4-11	6002-000522	SCREW-TAPPING;TH,+,2,M4,L15,ZPC(BLK),SWRCH18	2	
4-12	AA61-10379A	BRACKET-COVER;-,SVP403J,SECC,T1.0,-,-,-	1	
4-13	AA64-00205B	INLAY-BACK;SP403JHP,PAL M51A,PS SHEET,T0.5,BLK,-,-	1	
4-14	AA61-20253A	HOLDER-SPONGE,A;-,SVP-403J,ABS,HB,BLK,-	1	
4-15	AA63-60112B	SPACER-SPONGE,DUCT;PU FORM,T5,BLK,-,SVP403J,-	1	
4-16	AA63-60123C	SPACER-SPONGE,LCD;SPONGE,-,VO BLK,-,SVP-403J,-	1	
4-17	AA63-30183D	COVER-FAN,A;-,S403J,-,HIPS,V0,BLK,-,-	1	
4-18	AA95-90033C	ASSY-PCB,PFC;-,SP-403JHA,PLT51A,EC,-,-	1	
4-19	AA61-11005A	BRACKET-PFC;-,764A,SECC-1,T1.0,-,PFC BOARD	1	
5	AA91-20057A	ASSY-LENS,MECHA;-,-,DS001AKB-61B,SVP-403J	1	
5-1	AA07-10002A	LCD-PANNEL;-,LCX011AM,SVP-403J,1.43	1	
5-2	AA61-10185A	BRACKET-SENSOR;-,L3300,SECC,T1.0,-,-,-	1	
5-3	3409-000178	SWITCH-LEVER;12V,100mA,SPDT,-,27deg	1	
5-4	AA63-60123A	SPACER-SPONGE,LCD;SPONGE,-,BLK,VO,SVP-403J,-	1	
5-5	AA47-10001B	LAMP-MERCURY;160V,1300MA,100W,WHT,6000LM,-,	1	
5-6	AA95-90033B	ASSY-PCB,LCD CONTROL;-,SP-403JHA,PLT51A,EC,-,-	1	
5-7	AA63-30223A	COVER-LCD;-,SVP-403J,-,HIPS,VO,BLK,-,-	1	
5-8	AA63-30178A	COVER-DUCT,IN,R;-,SVP-403J,-,HIPS,VO,BLK,-,-	1	
5-9	3103-001017	FAN-DC;12VDC,120mA,2200rpm,1m^3,2.3P	1	
5-10	AA63-30179A	COVER-DUCT,IN,L;-,SVP-403J,-,HIPS,VO,BLK,-,-	1	
5-11	AA63-60123B	SPACER-SPONGE,LCD;SPONGE,-,VO BLK,-,SVP-403J,-	1	
5-12	AA63-50351A	GRILLE-LAMP;-,SVP-403J,-,SECC,T0.5,CLEAR,-	1	
5-13	AA81-10001A	A/S;BALLAST,SVP403J 1		
5-14	AA61-20252A	HOLDER-CHASSIS;-,ABS,VO,GRY,-,SVP-403J	1	
5-15	AA67-10047A	LENS-ASSY;S403J,GLASS,-,F1.5/19.4,+,T233	1	
5-16	AA60-00016A	SCREW-ASSY;WC,HH,+,M3,L10,SWRCH18A,ZPC(SILVER),-	4	
5-17	AA61-80056A	HOUSING-MECHA,BOT;SVP-403J,HIPS,VO,BLK,-	1	
5-18	AA63-60115B	SPACER-SUPPORT;NYLON 66 VO,-,NTR,-,SVP403J,-	2	
5-19	AA64-60411D	INLAY-LAMP;SVP403J,-,PS,T1.0,BLK,-,-	2	

8. Electric Parts List

8-1 SP403JHPX/UMG Parts List

ASSY-PCB,MAIN(OPT)

BUYER : HAD ELECTRO.CO.

Loc. No.	Code No.	Description ; Specification	Remark
*	AA94-00533A	ASSY-PCB,MAIN(OPT);SP-403JHP,M51A,EU,MVT	
AB1	3711-002642	CONNECTOR-HEADER;BOX,3P,1R,2.5mm,STRAIGHT,SN	
AF1	3711-002642	CONNECTOR-HEADER;BOX,3P,1R,2.5mm,STRAIGHT,SN	
AF3	3711-002642	CONNECTOR-HEADER;BOX,3P,1R,2.5mm,STRAIGHT,SN	
AF4	3711-002642	CONNECTOR-HEADER;BOX,3P,1R,2.5mm,STRAIGHT,SN	
AT1	3711-002642	CONNECTOR-HEADER;BOX,3P,1R,2.5mm,STRAIGHT,SN	
C101	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm,	
C103	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm,	
C104	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
C105	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm,	
C106	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3,5	
C107	2305-000289	C-FILM,MPEF;220nF,5%,63V,TP,-,5mm	
C108	2401-000667	C-AL;2.2uF,20%,50V,WT,TP,5x11,5	
C109	2401-002300	C-AL;47uF,20%,50V,GP,TP,6.3x11,5	
C111	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3,5	
C112	2401-001192	C-AL;33uF,20%,50V,GP,TP,6.3x11,5	
C113	2201-000180	C-CERAMIC,DISC;10nF,10%,50V,Y5V,TP,6.5*3,5	
C114	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3,5	
C115	2201-000180	C-CERAMIC,DISC;10nF,10%,50V,Y5V,TP,6.5*3,5	
C116	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C117	2201-000982	C-CERAMIC,DISC;10nF,+80-20%,50V,Y5V,TP,6.5x3,	
C119	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C120	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C121	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5	
C122	2201-000292	C-CERAMIC,DISC;1nF,10%,50V,Y5P,TP,5x3,5	
C123	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm,	
C124	2401-000426	C-AL;10uF,20%,16V,GP,TP,3.5x5,5	
C267	2201-000146	C-CERAMIC,DISC;100pF,5%,50V,SL,TP,5x3,5	
C270	2201-000375	C-CERAMIC,DISC;220pF,5%,50V,RH,TP,9.5x3.0,5	
C290	2201-000376	C-CERAMIC,DISC;220pF,5%,50V,SL,TP,4x4,5	
C296	2201-000558	C-CERAMIC,DISC;470pF,10%,50V,Y5P,TP,5x3,5	
C298	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C603	2401-000192	C-AL;1000uF,20%,50V,GP,TP,16x25,7.5	
C604	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5,5	
C605	2401-000192	C-AL;1000uF,20%,50V,GP,TP,16x25,7.5	
C606	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5,5	
C607	2401-000737	C-AL;2200uF,20%,50V,GP,TP,18x35.5,7	
C608	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5,5	
C609	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
C610	2401-001192	C-AL;33uF,20%,50V,GP,TP,6.3x11,5	
C611	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
C623	2305-000149	C-FILM,MPEF;100nF,5%,100V,TP,12x12.5x6.5,5	
C624	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C629	2401-000962	C-AL;22uF,20%,50V,GP,TP,5x11,5	
C633	2401-002300	C-AL;47uF,20%,50V,GP,TP,6.3x11,5	
C634	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm,	
C635	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C636	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5	
C637	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5	
C638	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C639	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C641	2301-000395	C-FILM,PEF;18nF,5%,50V,TP,6.5x12.5x3.5mm,	
C642	2301-000395	C-FILM,PEF;18nF,5%,50V,TP,6.5x12.5x3.5mm,	
C831	2401-002231	C-AL;470uF,20%,50V,WT,TP,13x20mm,5m	
C832	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm,	
C833	2401-003034	C-AL;220uF,20%,16V,WT,TP,8x11.5,5	
C835	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm,	
C836	2401-002231	C-AL;470uF,20%,50V,WT,TP,13x20mm,5m	
C837	2401-001101	C-AL;330uF,20%,16V,GP,TP,8x11.5,5	
C838	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm,	
C839	2401-003034	C-AL;220uF,20%,16V,WT,TP,8x11.5,5	
C840	2401-003034	C-AL;220uF,20%,16V,WT,TP,8x11.5,5	
C841	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm,	
C842	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5	
C843	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm,	
C851	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm,	
C852	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm,	
C863	2401-002597	C-AL;220uF,20%,35V,GP,TP,10x12.5,5	
C864	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm,	
C866	2401-002273	C-AL;220uF,20%,25V,HR,TP,10x20mm,5m	
C870	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm,	
C901	2305-000665	C-FILM,MPEF;100nF,5%,63V,TP,7.5x4.0x5.0mm,	
C902	2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5	
C903	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C904	2401-002300	C-AL;47uF,20%,50V,GP,TP,6.3x11,5	
C905	2301-000356	C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5mm	
C906	2305-000411	C-FILM,MPEF;470nF,5%,50V,TP,7.3x4.8x5.5mm,	
C907	2305-000411	C-FILM,MPEF;470nF,5%,50V,TP,7.3x4.8x5.5mm,	
C908	2305-000411	C-FILM,MPEF;470nF,5%,50V,TP,7.3x4.8x5.5mm,	
C909	2305-000411	C-FILM,MPEF;470nF,5%,50V,TP,7.3x4.8x5.5mm,	
C910	2305-000411	C-FILM,MPEF;470nF,5%,50V,TP,7.3x4.8x5.5mm,	
C911	2305-000411	C-FILM,MPEF;470nF,5%,50V,TP,7.3x4.8x5.5mm,	
C912	2201-000119	C-CERAMIC,DISC;100nF,+80-20%,50V,Y5V,TP,8x3.5	
C913	2401-000318	C-AL;100uF,20%,25V,LZ,TP,8x11.5,5	
C915	2201-000558	C-CERAMIC,DISC;470pF,10%,50V,Y5P,TP,5x3,5	
C916	2201-000558	C-CERAMIC,DISC;470pF,10%,50V,Y5P,TP,5x3,5	
C917	2201-000558	C-CERAMIC,DISC;470pF,10%,50V,Y5P,TP,5x3,5	
CN704A	3710-001208	CONNECTOR-SOCKET;32P,2R,2.54mm,STRAIGHT,AUF	
CN705A	3710-001208	CONNECTOR-SOCKET;32P,2R,2.54mm,STRAIGHT,AUF	
CNM01	3711-002645	CONNECTOR-HEADER;BOX,6P,1R,2.5mm,STRAIGHT,SN	
CNM02	3711-003641	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIGHT,SN	
CNM08	3711-001054	CONNECTOR-HEADER;BOX,6P,1R,2.5mm,STRAIGHT,SN	
CNM09	3711-003641	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIGHT,SN	
CNM09A	AA39-20032C	LEAD-CONNECTOR,ASSY;-,67096-012,S,12P,400,1007#26	
CNM10	3711-002645	CONNECTOR-HEADER;BOX,6P,1R,2.5mm,STRAIGHT,SN	
CNM11	3711-002641	CONNECTOR-HEADER;BOX,10P,1R,2.54mm,STRAIGHT,Sn	
CNM12	3711-000900	CONNECTOR-HEADER;BOX,3P,1R,2.5mm,STRAIGHT,SN	
CNM13	3711-002643	CONNECTOR-HEADER;BOX,4P,1R,2.5mm,STRAIGHT,SN	
CNM14	3711-003359	CONNECTOR-HEADER;BOX,10P,1R,2.5mm,STRAIGHT,SN	
CNM15	3711-002641	CONNECTOR-HEADER;BOX,10P,1R,2.54mm,STRAIGHT,Sn	
CP01	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V,TP,-,7.5	
CP02	2202-000127	C-CERAMIC,MLC-AXIAL;10nF,+80-20%,25V,Y5V,TP,-,7.5	
CP04	2401-001537	C-AL;47uF,20%,25V,GP,TP,6.3x7mm,5mm	
CP05	2401-000287	C-AL;100uF,20%,16V,WT,TP,6.3x11,5	
D102	0401-001024	DIODE-SWITCHING;BAW75,25V,300mA,DO-35,TP	
D103	0401-001024	DIODE-SWITCHING;BAW75,25V,300mA,DO-35,TP	
D104	0401-001024	DIODE-SWITCHING;BAW75,25V,300mA,DO-35,TP	
D601	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,TP	
D602	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,TP	
D603	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,TP	
D901	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,TP	
D902	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,TP	
D903	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,TP	
DZ102	1203-000451	IC-VOLTAGE REGULATOR;33,TO-92,3P,-,PLASTIC,31/35V,	
DZ201	0403-000297	DIODE-ZENER;MTZ6.2B,6.2V,5.96-6.27V,500mW,	
DZ202	0403-000297	DIODE-ZENER;MTZ6.2B,6.2V,5.96-6.27V,500mW,	
DZ203	0403-000296	DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500mW,	
DZ205	0403-000296	DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500mW,	
DZ603	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500mW,	
DZ604	0403-000654	DIODE-ZENER;MTZ12B,12V,11.44-12.03V,500mW,	
DZ901	0403-000667	DIODE-ZENER;MTZ6.8A,6.8V,6.29-6.63V,500mW,	
FI101	2904-000253	FILTER-SAW AV;33.9MHz,DIP10P,ST,17.1dB,PAL-B	
FI102	2904-001010	FILTER-SAW AV;32.9~33.4MHz,SIP5P,ST,14.4dB,P	
FI103	2903-000181	FILTER-CERAMIC;TR,5.5MHz,-,-,-,TP,TPS5.5MB-TF	
⚠ FI104	2903-000129	FILTER-CERAMIC;TR,4.5M/4.72MHZ,-,-,-,TP,-	

Loc. No.	Code No.	Description ; Specification	Remark
⚠ IC101	1204-001276	IC-SOUND PROCESSOR;TDA9810T,DIP,24P,400MIL,PLASTI	
⚠ IC401	1001-000223	IC-VIDEO SWITCH;TEA5114A,-,DIP,16P,334MIL,SING	
⚠ IC601	1201-001026	IC-POWER AMP;7265,ZIP,11P,19.6MIL,DUAL,1000	
⚠ IC604	0801-000961	IC-CMOS LOGIC;4053,MUTIPLEXER,DIP,16P,300MIL	
⚠ IC802	1203-000203	IC-POSI.ADJUST REG.;3050,TO-220,5P,-,PLASTIC,5V,1.	
⚠ IC803	1203-000203	IC-POSI.ADJUST REG.;3050,TO-220,5P,-,PLASTIC,5V,1.	
⚠ IC805	1203-000293	IC-POSI.FIXED REG.;7808,TO-220,3P,-,PLASTIC,7.7/8	
⚠ IC806	1203-000298	IC-POSI.FIXED REG.;7809,TO-220,3P,-,PLASTIC,8.65/	
⚠ IC903	1001-001038	IC-ANALOG SWITCH;SAA1300,-,SOT-142,9P,-,SINGLE,	
⚠ IC904	1001-001038	IC-ANALOG SWITCH;SAA1300,-,SOT-142,9P,-,SINGLE,	
⚠ IC905	0904-001121	IC-I/O SUPPORT CHIP;8574,8BIT,DIP,16P,300MIL,100KH	
IFCAB	AA39-30007B	IF-CABLE;-,T,150mm,1365#26	
J026	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,2400G	
J094	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,2400G	
J118	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,2400G	
J126	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
J190	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,2400G	
J267	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,2400G	
J296	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,2400G	
J297	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,2400G	
J315	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,2400G	
J327	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L101	AA26-10006G	TRANS-IF;-,7mG,VIF,-,7mm,8pF,77.8MHz,ST	
L102	2701-000299	INDUCTOR-AXIAL;13uH,10%,2.5x3.4mm	
L104	2701-000101	INDUCTOR-AXIAL;1.2uH,10%,2.5x3.4mm	
L105	2701-000120	INDUCTOR-AXIAL;12uH,10%,2.5x3.4mm	
L106	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L107	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L108	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L109	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L110	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L113	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L201	2901-000299	FILTER-EMI ON BOARD;-,6A,UL/CSA,-,9x7.5,TP,-	
L276	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L277	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L278	2701-000146	INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm	
L279	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,2400G	
L280	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,2400G	
L601	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L602	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L901	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
LP01	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
LP02	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
LP04	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
LP05	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
LP06	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
Q101	0504-000137	TR-DIGITAL;KSR1202,PNP,300MW,10K/10K,TO-92S,BK	
Q102	0504-000123	TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,TP	
Q104	0504-000123	TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,TP	
Q105	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,TP,120-	
Q106	0501-000245	TR-SMALL SIGNAL;BC548C,NPN,500mW,TO-92,TP,420-	
Q107	0504-000150	TR-DIGITAL;KSR2010,PNP,300mW,10K,TO-92,TP	
Q108	0504-000123	TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,TP	
Q109	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,TP,120-	
Q602	0504-000123	TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,TP	
Q603	0504-000123	TR-DIGITAL;KSR1010,NPN,300mW,10K,TO-92,TP	
Q901	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,TP,120-	
Q902	0504-000117	TR-DIGITAL;KSR1002,NPN,300MW,10K/10K,TO-92,TP	
Q903	0504-000117	TR-DIGITAL;KSR1002,NPN,300MW,10K/10K,TO-92,TP	
Q904	0504-000117	TR-DIGITAL;KSR1002,NPN,300MW,10K/10K,TO-92,TP	
Q905	0501-000283	TR-SMALL SIGNAL;KSA539,PNP,400mW,TO-92,TP,120-	
R101	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R102	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R103	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R104	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R105	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R106	2001-000313	R-CARBON;11KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R107	2001-000331	R-CARBON;12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R108	2001-000449	R-CARBON;2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R109	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R110	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R111	2001-000515	R-CARBON;220OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R113	2001-001138	R-CARBON(S);390OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R116	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R119	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R120	2001-000761	R-CARBON;430OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R121	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	

Loc. No.	Code No.	Description ; Specification	Remark
R122	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R123	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R124	2001-000241	R-CARBON;1.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R125	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R126	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R127	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R128	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R258	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R259	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R268	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R269	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R270	2001-000302	R-CARBON;10OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R272	2001-000708	R-CARBON;39OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R273	2001-000708	R-CARBON;39OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R274	2001-000708	R-CARBON;39OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R601	2001-001093	R-CARBON(S);2.2KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R602	2001-001093	R-CARBON(S);2.2KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R603	2001-001146	R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R604	2001-001093	R-CARBON(S);2.2KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R605	2001-000010	R-CARBON;68KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R606	2001-001146	R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R607	2001-000010	R-CARBON;68KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R608	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R609	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R621	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R622	2001-000591	R-CARBON;3.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R623	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R624	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R625	2001-001053	R-CARBON(S);1.5OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R626	2001-000522	R-CARBON;22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R630	2001-001093	R-CARBON(S);2.2KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R631	2001-000109	R-CARBON(S);470OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R632	2001-001053	R-CARBON(S);1.5OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R633	2001-001053	R-CARBON(S);1.5OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R634	2001-001053	R-CARBON(S);1.5OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R641	2001-000010	R-CARBON;68KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R642	2001-000010	R-CARBON;68KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R901	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R902	2001-000577	R-CARBON;2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R903	2001-000613	R-CARBON;3.9KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R904	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R905	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R906	2001-000723	R-CARBON;4.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R907	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R908	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R909	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R910	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R911	2001-001097	R-CARBON(S);2.4KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R912	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R913	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R914	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R915	2001-000109	R-CARBON(S);470OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R916	2001-000109	R-CARBON(S);470OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R917	2001-000109	R-CARBON(S);470OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R918	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R919	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R920	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R925	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R926	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R927	2001-000290	R-CARBON;10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R928	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R929	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R930	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R933	2001-000812	R-CARBON;5.6KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R934	2001-000734	R-CARBON;4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R951	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R952	2001-000405	R-CARBON;180OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R953	2001-000405	R-CARBON;180OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R954	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R955	2001-000405	R-CARBON;180OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R956	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R957	2001-000405	R-CARBON;180OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R958	2001-000362	R-CARBON;150OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RP02	2001-000890	R-CARBON;6.8KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RP03	2001-000429	R-CARBON;1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
RP06	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RP07	2001-000281	R-CARBON;100OHM,5%,1/8W,AA,TP,1.8X3.2MM	

Loc. No.	Code No.	Description ; Specification	Remark
⚠ TU01	AA40-10006S	TUNER-F/S;TECC2949PG30A(S),PAL-B/G,TR,18	
⚠ TU02	AA40-10006T	TUNER-F/S;TECC2849PG29A(S),PAL-B/G,TR,18	
VR101	2103-000672	VR-SEMI;20Kohm,25%,1/5W,TOP	

ASSY-PCB,A/V TERMINAL

*	AA95-00130A	ASSY-PCB,A/V TERMINAL;-,SP-403JHP,M51A,-,-,EU	
C701	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
C702	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
C703	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
C704	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
C705	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
C706	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C707	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
C710	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
C711	2401-002009	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C712	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C713	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
C714	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
C717	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C718	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C719	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,-	
C720	2203-000938	C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,-	
C721	2203-000595	C-CERAMIC,CHIP;220pF,5%,50V,NPO,TP,2012,-	
C723	2203-002392	C-CERAMIC,CHIP;220nF,+80-20%,50V,Y5V,TP,2012,	
C724	2203-000683	C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,-	
C725	2203-000683	C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,-	
C726	2203-000683	C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,-	
C727	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,-	
C728	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,-	
C729	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C730	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C731	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C732	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C733	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,-	
C734	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,-	
C735	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,-	
C736	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,-	
C737	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C738	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C739	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
C740	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C741	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C742	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C743	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
C744	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
C745	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C746	2401-002009	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C747	2401-002009	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C748	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C749	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C750	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C751	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C752	2401-002299	C-AL;4.7uF,20%,50V,GP,TP,5x7,5	
C755	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C758	2401-002009	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C759	2401-002009	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C760	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C761	2203-000683	C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,-	
C762	2203-000683	C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,-	
C763	2203-000683	C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,-	
C764	2203-002392	C-CERAMIC,CHIP;220nF,+80-20%,50V,Y5V,TP,2012,	
C765	2203-002392	C-CERAMIC,CHIP;220nF,+80-20%,50V,Y5V,TP,2012,	
C766	2203-002392	C-CERAMIC,CHIP;220nF,+80-20%,50V,Y5V,TP,2012,	
C767	2203-002392	C-CERAMIC,CHIP;220nF,+80-20%,50V,Y5V,TP,2012,	
C768	2203-002392	C-CERAMIC,CHIP;220nF,+80-20%,50V,Y5V,TP,2012,	
C769	2203-002392	C-CERAMIC,CHIP;220nF,+80-20%,50V,Y5V,TP,2012,	
C770	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
C771	2401-002009	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
C772	2203-000818	C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,2012,-	
C773	2203-000818	C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,2012,-	
CN701	3722-000498	JACK-SCART;21P,-,SN,BLK,NO	
CN702	3722-001146	JACK-RCA;6P,3.4mm,NI,BLK,#16-22	
CN703	3722-001146	JACK-RCA;6P,3.4mm,NI,BLK,#16-22	
CN704	3711-003630	CONNECTOR-HEADER;BOX,32P,2R,2.54mm,ANGLE,AU	
CN705	3711-003630	CONNECTOR-HEADER;BOX,32P,2R,2.54mm,ANGLE,AU	
CN707	3722-001157	JACK-RCA;5P(6P),3.4mm,SN,BLK,#16-22	
CP701	2401-000426	C-AL;10uF,20%,16V,GP,TP,3.5x5,5	
CP702	2203-000389	C-CERAMIC,CHIP;15pF,5%,50V,NPO,TP,2012,-	
CP703	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
CP704	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
D701	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,500mW,4nS,S	
D702	0403-000296	DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500mW,	
D703	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,500mW,4nS,S	
D704	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,500mW,4nS,S	
D707	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,500mW,4nS,S	
IC701	1001-001030	IC-VIDEO SWITCH;TDA6920X,-,SOP,28P,300MIL,-,13	
IC702	1001-001030	IC-VIDEO SWITCH;TDA6920X,-,SOP,28P,300MIL,-,13	
IC703	1201-000541	IC-OP AMP;062,SOP,8P,153MIL,DUAL,6V/mV,P	
IC704	1201-000541	IC-OP AMP;062,SOP,8P,153MIL,DUAL,6V/mV,P	
IC706	1001-000223	IC-VIDEO SWITCH;TEA5114A,-,DIP,16P,334MIL,SING	
ICP701	1002-001048	IC-A/D&D/A CONVERTER;PCF8591T,8BIT,SOP,16P,300MIL,	
J701	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J702	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J703	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
L701	2701-000116	INDUCTOR-AXIAL;10uH,10%,4.2x9.8mm	
L705	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L706	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L707	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L708	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L709	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L710	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L711	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L712	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L713	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L714	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L715	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L716	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L717	2701-000116	INDUCTOR-AXIAL;10uH,10%,4.2x9.8mm	
L718	2701-000116	INDUCTOR-AXIAL;10uH,10%,4.2x9.8mm	
L719	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L720	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
L721	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
Q701	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
Q702	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
Q703	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
Q704	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
Q705	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
Q706	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
Q707	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
Q708	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
Q709	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
Q710	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
Q711	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
Q712	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
Q713	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
Q714	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
Q715	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
Q716	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
Q717	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
QP701	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
QP702	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
R701	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R702	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R703	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R704	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R705	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R706	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R707	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R708	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R709	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R710	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R711	2007-001071	R-CHIP;6.8KOHM,5%,1/10W,DA,TP,2012	
R712	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R713	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R714	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R715	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R716	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R717	2007-000738	R-CHIP;30KOHM,5%,1/10W,DA,TP,2012	
R718	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R719	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R720	2007-000241	R-CHIP;1.5KOHM,5%,1/10W,DA,TP,2012	

Loc. No.	Code No.	Description ; Specification	Remark
R721	2007-000241	R-CHIP;1.5KOHM,5%,1/10W,DA,TP,2012	
R722	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R723	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R724	2007-000653	R-CHIP;27KOHM,5%,1/10W,DA,TP,2012	
R725	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R726	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R727	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R728	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012	
R729	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R730	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R731	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
R732	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R733	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R734	2007-000642	R-CHIP;270OHM,5%,1/10W,DA,TP,2012	
R735	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R736	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R737	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R738	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R739	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R740	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R744	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R745	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R747	2007-000028	R-CHIP;39OHM,5%,1/10W,DA,TP,2012	
R748	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R749	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R750	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R752	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R753	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R754	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R755	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R756	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R757	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
R758	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R759	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R760	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R761	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R762	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R763	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R764	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R765	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R766	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R767	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R768	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R769	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R770	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R771	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R772	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R773	2007-001166	R-CHIP;75OHM,5%,1/10W,DA,TP,2012	
R774	2007-000023	R-CHIP;120OHM,5%,1/10W,DA,TP,2012	
R775	2007-000023	R-CHIP;120OHM,5%,1/10W,DA,TP,2012	
R776	2007-000023	R-CHIP;120OHM,5%,1/10W,DA,TP,2012	
R777	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R778	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R779	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R781	2007-000844	R-CHIP;3KOHM,5%,1/10W,DA,TP,2012	
R782	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R783	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R784	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R785	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R786	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R787	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R788	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R789	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R790	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
RP701	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
RP702	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
RP703	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
RP704	2007-001177	R-CHIP;8.2KOHM,5%,1/10W,DA,TP,2012	
RP705	2007-001177	R-CHIP;8.2KOHM,5%,1/10W,DA,TP,2012	
RP706	2007-001177	R-CHIP;8.2KOHM,5%,1/10W,DA,TP,2012	
RP707	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RP708	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RP709	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RP710	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RP711	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RP712	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RP713	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RP714	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	

ASSY-PCB,PIP

Loc. No.	Code No.	Description ; Specification	Remark
*	AA95-00196A	ASSY-PCB,PIP;-,SP403JHP,M51A,-,-,-	
CNP01	3711-002709	CONNECTOR-HEADER;NOWALL,12P,1R,2.5mm,ANGLE,SN	
CNP03	3711-002709	CONNECTOR-HEADER;NOWALL,12P,1R,2.5mm,ANGLE,SN	
CP101	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216,-	
CP102	2401-000922	C-AL;22uF,20%,16V,GP,TP,5x5,5	
CP103	2203-000429	C-CERAMIC,CHIP;18pF,5%,50V,NPO,TP,2012,-	
CP104	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CP105	2203-000717	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,3216,-	
CP106	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216,-	
CP107	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216,-	
CP108	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216,-	
CP109	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP110	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216,-	
CP111	2203-000716	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012,-	
CP112	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
CP114	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216,-	
CP115	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216,-	
CP116	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216,	
CP117	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
CP118	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216,-	
CP119	2201-000692	C-CERAMIC,DISC;8pF,0.5pF,50V,UJ,TP,5x3,5	
CP120	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216,3.2m	
CP121	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
CP123	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CP124	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
CP125	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CP126	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP127	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216,-	
CP129	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CP130	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,-	
CP131	2201-000692	C-CERAMIC,DISC;8pF,0.5pF,50V,UJ,TP,5x3,5	
CP132	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,-	
CP133	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216,-	
CP134	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP135	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
CP136	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CP137	2203-000938	C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,-	
CP142	2401-000199	C-AL;1000uF,20%,6.3V,GP,TP,10x12.5,	
CP143	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
CP144	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216,-	
CP145	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216,-	
CP201	2203-000325	C-CERAMIC,CHIP;12nF,10%,50V,X7R,TP,3216,-	
CP203	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
CP204	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216,-	
CP205	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP206	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216,-	
CP207	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP208	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216,-	
CP209	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
CP210	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP211	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
CP213	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
CP214	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216,3.2m	
CP215	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
CP216	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216,-	
CP217	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216,3.2m	
CP218	2203-002085	C-CERAMIC,CHIP;56nF,10%,50V,X7R,TP,2012,-	
CP219	2203-000495	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,2012,-	
CP220	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216,3.2m	
CP221	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216,-	
CP301	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP302	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216,-	
CP303	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CP304	2203-000221	C-CERAMIC,CHIP;100nF,20%,50V,Y5V,TP,3216,-	
CP305	2203-000389	C-CERAMIC,CHIP;15pF,5%,50V,NPO,TP,2012,-	
CP306	2203-000389	C-CERAMIC,CHIP;15pF,5%,50V,NPO,TP,2012,-	
DP101	0401-000160	DIODE-SWITCHING;ISS314,30V,100mA,USC,TP	
DP103	0403-000563	DIODE-ZENER;MTZ9.1B,9.1V,8.57-9.01V,500mW,	
DP105	0401-000160	DIODE-SWITCHING;ISS314,30V,100mA,USC,TP	
DP201	0403-000662	DIODE-ZENER;MTZ3.0B,3.0V,3.01-3.22V,500mW,	
ICP101	1204-000530	IC-PAL/NTSC DECODER;TDA9160A,DIP,32P,400MIL,PLASTI	

Loc. No.	Code No.	Description ; Specification	Remark
ICP102	1204-000560	IC-DEMODULATOR;TDA9815,DIP,32P,400MIL,PLASTIC	
ICP103	AA13-20004A	IC-HYBRID;-,PAP102T,SIP,6P,PRE-AMP,TP	
ICP105	1204-000635	IC-PICTURE PROCESS;SDA9189X,SOP,32P,350MIL,PLATIC	
ICP201	1002-000206	IC-A/D CONVERTER;SDA9187-2X,6BIT,SOP,28P,300MIL	
LP101	AA26-10004E	TRANS-IF;-,7MG,VIF,-,7mm,8pF,116.7MHz,S	
LP102	2701-000219	INDUCTOR-AXIAL;820nH,10%,2.5x3.4mm	
LP103	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
LP104	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
LP105	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
LP201	2701-000197	INDUCTOR-AXIAL;5.6uH,10%,2.5x3.4mm	
LP301	2701-000114	INDUCTOR-AXIAL;10uH,10%,2.5x3.4mm	
QP104	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-23,TP,	
QP105	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-23,TP,	
QP106	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-23,TP,	
QP201	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-23,TP,	
QP202	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-23,TP,	
QP203	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23,TP,70	
QP204	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-23,TP,	
QP205	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-23,TP,	
QP206	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-23,TP,	
QP302	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-23,TP,	
QP303	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23,TP,70	
QP304	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23,TP,70	
QP305	0501-000280	TR-SMALL SIGNAL;KSA1182,PNP,150mW,SOT-23,TP,70	
RC129	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
RP101	2007-001208	R-CHIP;82KOHM,5%,1/10W,DA,TP,2012	
RP104	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RP105	2007-000328	R-CHIP;11KOHM,5%,1/10W,DA,TP,2012	
RP106	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
RP107	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
RP108	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
RP109	2007-000830	R-CHIP;39KOHM,5%,1/10W,DA,TP,2012	
RP110	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RP111	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RP112	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RP113	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
RP114	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RP115	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RP116	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
RP118	2001-000117	R-CARBON(S);68OHM,5%,1/2W,AA,TP,2.4X6.4MM	
RP119	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
RP122	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RP123	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
RP124	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
RP125	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
RP126	2103-000665	VR-SEMI;20Kohm,25%,1/5W,SIDE	
RP127	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
RP128	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
RP130	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RP131	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
RP132	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RP135	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RP136	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RP137	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
RP138	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
RP140	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
RP201	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
RP202	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
RP203	2007-000703	R-CHIP;3.6KOHM,5%,1/10W,DA,TP,2012	
RP204	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
RP205	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012	
RP206	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RP207	2007-001009	R-CHIP;51KOHM,5%,1/10W,DA,TP,2012	
RP208	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
RP209	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
RP210	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
RP211	2007-001001	R-CHIP;510OHM,5%,1/10W,DA,TP,2012	
RP212	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RP213	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RP215	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RP216	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RP217	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
RP301	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RP303	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RP304	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RP307	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
RP308	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
RP309	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RP310	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RP311	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RP312	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RP313	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
RP314	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
RP315	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
RP316	2001-001146	R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4MM	
RP317	2001-001146	R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4MM	
XP101	2801-000235	CRYSTAL-UNIT;3.579545MHz,40ppm,28-AAM,S,75o	
XP102	2801-000276	CRYSTAL-UNIT;4.433619MHz,40ppm,28-AAM,20pF,	
XP301	2802-000121	RESONATOR-CERAMIC;20.48MHz,0.5%,TP,10.0x5.0x10.0	
ZP102	2904-000253	FILTER-SAW AV;33.9MHz,DIP10P,ST,17.1dB,PAL-B	

ASSY-PCB,MICOM

*	AA95-00198A	ASSY-PCB,MICOM;-,SP403JHP,M51A,-,-,-	
C901	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C902	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C903	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
C907	2203-000858	C-CERAMIC,CHIP;39pF,5%,50V,NPO,TP,2012,-	
C908	2203-000858	C-CERAMIC,CHIP;39pF,5%,50V,NPO,TP,2012,-	
C909	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
C910	2401-001469	C-AL;47uF,20%,10V,GP,TP,5x11,5	
C911	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
C917	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C918	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C919	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
C920	2401-001469	C-AL;47uF,20%,10V,GP,TP,5x11,5	
C921	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
C922	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
C923	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
C924	2203-000408	C-CERAMIC,CHIP;180pF,5%,50V,NPO,TP,2012,-	
C928	2401-001469	C-AL;47uF,20%,10V,GP,TP,5x11,5	
C929	2401-001469	C-AL;47uF,20%,10V,GP,TP,5x11,5	
C930	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
C931	2401-000934	C-AL;22uF,20%,25V,BP,TP,8x11.5,5	
C932	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216,	
C999	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
CNU01	3711-003543	CONNECTOR-HEADER;NOWALL,16P,1R,2.54mm,ANGLE,SN	
CNU02	3711-002709	CONNECTOR-HEADER;NOWALL,12P,1R,2.5mm,ANGLE,SN	
CNU03	3711-003543	CONNECTOR-HEADER;NOWALL,16P,1R,2.54mm,ANGLE,SN	
CT01	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CT02	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
CT04	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
CT05	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
CT06	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
CT07	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
CT10	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
CT11	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
CT12	2203-000634	C-CERAMIC,CHIP;22pF,5%,50V,NPO,TP,2012,-	
CT13	2203-001077	C-CERAMIC,CHIP;56pF,5%,50V,NPO,TP,2012,-	
CT15	2203-000818	C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,2012,-	
CT16	2203-000818	C-CERAMIC,CHIP;33pF,5%,50V,NPO,TP,2012,-	
CT17	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
CT18	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CT19	2203-000353	C-CERAMIC,CHIP;150pF,10%,50V,NPO,TP,2012,-	
D901	0403-000689	DIODE-ZENER;DTZ5.1A,5.1V,4.84-5.04V,200mW,	
D902	0403-000296	DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500mW,	
IC901	AA13-30013H	IC-MCU;-,SDA30C264,8BIT,MQFP64-1,CX72	
IC902	1103-001043	IC-EEPROM;24C16,2Kx8BIT,DIP,8P,300MIL,10	
IC903	1102-001010	IC-EPROM;27C040,512Kx8BIT,DIP,32P,600MI	
ICT01	1204-001160	IC-HOR./VER.PROCESSO;SDA5273P,PLCC,68P,24.21MIL,PL	
ICT02	1105-001140	IC-DRAM;44C1004,1Mx4BIT,SOP,20P,300MIL	
L901	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L902	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L903	2701-000116	INDUCTOR-AXIAL;10uH,10%,4.2x9.8mm	
Q901	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
Q902	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
Q903	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
Q904	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
QT01	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
R901	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R902	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R903	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	

Loc. No.	Code No.	Description ; Specification	Remark
R904	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R907	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R908	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R909	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R910	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R911	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R912	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R913	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R914	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R915	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R916	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R917	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R918	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R919	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R920	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R921	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R922	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R923	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R924	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R925	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R926	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R927	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R928	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R929	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R930	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R932	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R935	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R936	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R937	2007-000766	R-CHIP;330OHM,5%,1/10W,DA,TP,2012	
R938	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R952	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R953	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R954	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R955	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R956	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R957	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R958	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RT01	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RT02	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
RT03	2007-000710	R-CHIP;3.9KOHM,5%,1/10W,DA,TP,2012	
RT04	2007-000710	R-CHIP;3.9KOHM,5%,1/10W,DA,TP,2012	
RT05	2007-000710	R-CHIP;3.9KOHM,5%,1/10W,DA,TP,2012	
RT06	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RT07	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RT08	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RT09	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RT11	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RT12	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RT13	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
RT14	2007-001118	R-CHIP;680OHM,5%,1/10W,DA,TP,2012	
RT15	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RT16	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RT17	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
X901	2801-001476	CRYSTAL-UNIT;12.0MHz,50ppm,28-ABQ,S,30ohm,T	
XT01	2802-000121	RESONATOR-CERAMIC;20.48MHz,0.5%,TP,10.0x5.0x10.0	

ASSY-PCB,POWER

*	AA95-00228A	ASSY-PCB,POWER;SP403JHPX/UMG,M51A,40,-,SAUDI,-	
C801	2306-000321	C-FILM,MPPF;470NF,5%,275V,TP,-,22.5	
C802	2306-000321	C-FILM,MPPF;470NF,5%,275V,TP,-,22.5	
C804	2201-000315	C-CERAMIC,DISC;2.2nF,+80-20%,250VAC,Y5U,TP,9x	
C805	2201-000315	C-CERAMIC,DISC;2.2nF,+80-20%,250VAC,Y5U,TP,9x	
C806	2401-001676	C-AL;820uF,20%,250V,GP,-,35x40mm,10	
C807	2401-001676	C-AL;820uF,20%,250V,GP,-,35x40mm,10	
C808	2306-000123	C-FILM,MPPF;100nF,5%,630V,BK,26x16.5x8.5,2	
C809	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C810	2301-000383	C-FILM,PEF;10nF,5%,50V,TP,6x7x3.2mm,5mm	
C811	2401-000133	C-AL;1000uF,20%,16V,GP,TP,10x20,5	
C812	2301-000356	C-FILM,PEF;47nF,5%,50V,TP,7.5x4.0x6.5,5mm	
C813	2301-001216	C-FILM,PPF;47nF,5%,630V,TP,20x14.5x22,7.5	
C814	2401-001259	C-AL;4.7uF,20%,400V,GP,TP,10x16mm,5	
C815	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C816	2306-000323	C-FILM,MPPF;2.2nF,5%,1.6KV,TP,28.5x15.5x8.	
C817	2401-002289	C-AL;470uF,20%,35V,WT,TP,10x20,5	
C818	2401-000851	C-AL;220uF,20%,35V,HR,TP,13x25,5	
C819	2301-000192	C-FILM,PEF;1nF,5%,50V,TP,5.3x10mm,5mm	
C820	2401-002262	C-AL;10uF,20%,160V,WT,TP,10x20,5	
C821	2201-000446	C-CERAMIC,DISC;3.3nF,20%,400V,Y5U,TP,18x8,10m	
C822	2201-000446	C-CERAMIC,DISC;3.3nF,20%,400V,Y5U,TP,18x8,10m	
C823	2201-000551	C-CERAMIC,DISC;470pF,10%,1KV,Y5P,TP,8x5,5	
C824	2401-000737	C-AL;2200uF,20%,50V,GP,TP,18x35.5,7	
C825	2401-000737	C-AL;2200uF,20%,50V,GP,TP,18x35.5,7	
C826	2201-000551	C-CERAMIC,DISC;470pF,10%,1KV,Y5P,TP,8x5,5	
C827	2401-002231	C-AL;470uF,20%,50V,WT,TP,13x20mm,5m	
C828	2401-001415	C-AL;470uF,20%,35V,GP,TP,10x20,5	
C829	2401-001115	C-AL;330uF,20%,25V,GP,TP,10x12.5,5	
C830	2201-000551	C-CERAMIC,DISC;470pF,10%,1KV,Y5P,TP,8x5,5	
C831	2401-000136	C-AL;1000uF,20%,16V,LZ,TP,13x20,5	
C832	2401-000136	C-AL;1000uF,20%,16V,LZ,TP,13x20,5	
C833	2201-000551	C-CERAMIC,DISC;470pF,10%,1KV,Y5P,TP,8x5,5	
C834	2401-001661	C-AL;68uF,20%,100V,GP,TP,10x16,5	
C835	2401-000384	C-AL;10uF,20%,100V,GP,TP,6.3x11,5mm	
C836	2201-000551	C-CERAMIC,DISC;470pF,10%,1KV,Y5P,TP,8x5,5	
C837	2401-002215	C-AL;2200uF,20%,25V,WT,TP,13x25,5	
C838	2401-000183	C-AL;1000uF,20%,35V,WT,TP,12.5x25,5	
C839	2401-001429	C-AL;470uF,20%,50V,GP,TP,13x20,5	
C840	2305-000412	C-FILM,MPEF;470nF,5%,63V,TP,-,5mm	
C841	2201-000332	C-CERAMIC,DISC;2.2nF,20%,250VAC,Y5U,TP,11x7,7	
C842	2201-000332	C-CERAMIC,DISC;2.2nF,20%,250VAC,Y5U,TP,11x7,7	
C843	2401-001563	C-AL;47uF,20%,400V,GP,TP,16x25,7.5	
C844	2401-002292	C-AL;47uF,20%,25V,WT,TP,8X11,5	
C845	2401-001429	C-AL;470uF,20%,50V,GP,TP,13x20,5	
C846	2401-002300	C-AL;47uF,20%,50V,GP,TP,6.3x11,5	
C847	2401-002594	C-AL;220uF,20%,16V,GP,TP,8x11.5,5	
C848	2201-000556	C-CERAMIC,DISC;470pF,10%,500V,Y5P,TP,7x4,5	
C849	2401-000611	C-AL;1uF,20%,50V,WT,TP,5x11,5	
C850	2401-000183	C-AL;1000uF,20%,35V,WT,TP,12.5x25,5	
C851	2401-000183	C-AL;1000uF,20%,35V,WT,TP,12.5x25,5	
C852	2401-001333	C-AL;470nF,20%,50V,GP,TP,5x11,5	
C853	2401-001333	C-AL;470nF,20%,50V,GP,TP,5x11,5	
C854	2201-000446	C-CERAMIC,DISC;3.3nF,20%,400V,Y5U,TP,18x8,10m	
C855	2201-000446	C-CERAMIC,DISC;3.3nF,20%,400V,Y5U,TP,18x8,10m	
CNP01	3711-002645	CONNECTOR-HEADER;BOX,6P,1R,2.5mm,STRAIGHT,SN	
CNP01A	AA39-20027C	LEAD-CONNECTOR,ASSY;-,67096-006,S,6P,500,1007#26	
CNP02	3711-003641	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIGHT,SN	
CNP02A	AA39-20032E	LEAD-CONNECTOR,ASSY;-,67096-012,S,12P,600,1007#26	
CNP03	3711-002647	CONNECTOR-HEADER;BOX,8P,1R,2.5mm,STRAIGHT,SN	
CNP03A	AA39-20030D	LEAD-CONNECTOR,ASSY;-,67096-008,S,8P,600,1007#26	
D803	0402-000549	DIODE-BRIDGE;RBV606,600V,6A,-,BK	
D804	0402-000213	DIODE-RECTIFIER;ERB12-06,600V,1.0A,DO-41,TP	
D805	0402-000562	DIODE-RECTIFIER;UF5406,600V,3A,DO-201AD,BK	
D806	1401-000117	THYRISTOR-SCR;3A,600V,600V,60A,TO-220	
D807	0403-000559	DIODE-ZENER;MTZ6.2C,6.2V,6.12-6.44V,500mW,	
D808	0402-000213	DIODE-RECTIFIER;ERB12-06,600V,1.0A,DO-41,TP	
D809	0402-000213	DIODE-RECTIFIER;ERB12-06,600V,1.0A,DO-41,TP	
D810	0402-000213	DIODE-RECTIFIER;ERB12-06,600V,1.0A,DO-41,TP	
D811	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,TP	
D812	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,TP	
D813	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,TP	
D814	0403-000704	DIODE-ZENER;TZP7.5B,7.5V,7.5-8.4V,1W,DO-41	
D815	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,TP	
D816	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,TP	
D817	0402-000233	DIODE-RECTIFIER;FML-G12S,200V,5A,-,-	
D818	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,TP	
D819	0402-000233	DIODE-RECTIFIER;FML-G12S,200V,5A,-,-	
D820	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,TP	
D821	0402-000233	DIODE-RECTIFIER;FML-G12S,200V,5A,-,-	
D822	0403-000656	DIODE-ZENER;MTZ15C,15V,14.35-15.09V,500mW,	
D823	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,TP	
D825	0402-000132	DIODE-RECTIFIER;1N4004,400V,1A,DO-41,TP	
D826	0402-000102	DIODE-BRIDGE;D2SB60,600V,1.5A,-	
D827	0406-001007	DIODE-TVS;P6KE180A,171/180/189V,600W,CAS	
D828	0402-000243	DIODE-RECTIFIER;RC2-V1,2000V,0.2A,DO-201	
D829	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,TP	
D830	0402-000534	DIODE-RECTIFIER;RG10V,400V,1.2A,DO-201,TP	
D831	0402-000546	DIODE-RECTIFIER;TVR10G,400V,1.0A,DO-41,TP	
D832	0402-000233	DIODE-RECTIFIER;FML-G12S,200V,5A,-,-	
DL1	AA60-30002A	WASHER-PLATE;-,-,-,T1.5,-,SBHG-1,-	
DL2	AA60-30002A	WASHER-PLATE;-,-,-,T1.5,-,SBHG-1,-	
⚠ F801	3601-001007	FUSE-FERRULE;250V,6.3A,TL,GLASS,5.2x20mm	
F801A	3602-000114	FUSE-HOLDER;-,-,30mohm	

Loc. No.	Code No.	Description ; Specification	Remark
F801B	3602-000114	FUSE-HOLDER;-,-,30mohm	
⚠ F802	3601-000261	FUSE-FERRULE;250V,3.15A,TL,GLASS,5.2x20mm	
F802A	3602-000114	FUSE-HOLDER;-,-,30mohm	
F802B	3602-000114	FUSE-HOLDER;-,-,30mohm	
⚠ F803	3601-000261	FUSE-FERRULE;250V,3.15A,TL,GLASS,5.2x20mm	
F803A	3602-000114	FUSE-HOLDER;-,-,30mohm	
F803B	3602-000114	FUSE-HOLDER;-,-,30mohm	
⚠ F805	3601-001086	FUSE-FERRULE;125V,5A,FA,GLASS,2.4x7.5mm	
⚠ IC801	AA13-20002	MIC-HYBRID;-,STR83145,SIP,5P,AVS CONTROL	
⚠ IC802	AA13-20002K	IC-HYBRID;-,STR-S6709 LF953,SIP,9P,SMPS	
⚠ IC803	1203-001583	IC-SWITCH VOL. REG.;801,SIP,10P,157MIL,PLASTIC,5/9	
⚠ IC805	1203-000203	IC-POSI.ADJUST REG.;3050,TO-220,5P,-,PLASTIC,5V,1.	
⚠ IC806	1203-001197	IC-POWER PRESCALER;012,SIP,3P,TO-220,PLASTIC,12V,	
⚠ IC807	1203-000640	IC-PWM CONTROLLER;210,DIP,8P,245MIL,PLASTIC,12V,	
⚠ IC808	1203-000203	IC-POSI.ADJUST REG.;3050,TO-220,5P,-,PLASTIC,5V,1.	
⚠ IC809	0604-001038	PHOTO-COUPLER;TR,130-260%,200mW,DIP-4,ST	
JP801A	AA39-20010A	LEAD CONNECTOR-ASSY;-,YFH800-01,S,1P,200,1617#22	
L801	AA29-30002D	FILTER-LINE;-,10mH,2.8A,-,SQE-3535H	
L802	AA29-30002D	FILTER-LINE;-,10mH,2.8A,-,SQE-3535H	
L803	AA27-10001C	COIL-CHOKE;-,100uH,K,-,5.0A,ST,700UH-K(RO	
L804	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,2400G	
L805	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,2400G	
L806	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,2400G	
L807	AA27-10001U	COIL-CHOKE;-,20uH,K,-,2A,-,20UH-K(2A),12x	
L808	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,2400G	
L809	AA27-10001U	COIL-CHOKE;-,20uH,K,-,2A,-,20UH-K(2A),12x	
L810	2701-000112	INDUCTOR-AXIAL;100uH,10%,2.8x7mm	
L811	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,2400G	
L812	AA27-10001C	COIL-CHOKE;-,100uH,K,-,5.0A,ST,700UH-K(RO	
L813	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,2400G	
L816	3301-000287	CORE-FERRITE BEAD;AA,3.5x1.0x6.0mm,1500,2400G	
L817	AA27-10002L	COIL-CHOKE;-,24uH,K,-,2A,-,24UH-K,10x10mm	
L818	AA27-10001Y	COIL-CHOKE;-,100uH,K,25,1A,-,100UH-K(1.0A	
L819	AA27-10001Y	COIL-CHOKE;-,100uH,K,25,1A,-,100UH-K(1.0A	
P802F	AA39-20010B	LEAD-CONNECTOR,ASSY;-,YFH800-01,S,1P,500,1617#22	
P807A	AA39-20010B	LEAD-CONNECTOR,ASSY;-,YFH800-01,S,1P,500,1617#22	
Q801	0503-000153	TR-DARLINGTON;TIP102,NPN,2W,TO-220,TP,1000-2	
Q804	0501-000369	TR-SMALL SIGNAL;KSC2331-Y,NPN,1W,TO-92L,-,120-	
R801	2002-001011	R-COMPOSITION;3.3Mohm,10%,1/2W,AA,TP,3.7x9mm	
R802	1404-001045	THERMISTOR-NTC;4.7ohm,15%,2900K,35.0mW,TP	
R803	2001-001150	R-CARBON(S);470KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R804	2001-001150	R-CARBON(S);470KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R805	2001-000019	R-CARBON(S);10OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R806	2003-000706	R-METAL OXIDE(S);47Kohm,5%,2W,AA,TP,4.3x12mm	
R807	2003-000706	R-METAL OXIDE(S);47Kohm,5%,2W,AA,TP,4.3x12mm	
R808	2001-001093	R-CARBON(S);2.2KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R809	2001-001049	R-CARBON(S);1.3KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R810	2006-000306	R-CEMENT;2.7ohm,5%,5W,CH,BK,9.5x27x9.5m	
R811	2001-000019	R-CARBON(S);10OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R812	2003-001090	R-METAL OXIDE(S);10Kohm,5%,2W,AF,TP,4x12mm	
R813	2003-001090	R-METAL OXIDE(S);10Kohm,5%,2W,AF,TP,4x12mm	
R814	2006-000307	R-CEMENT;20ohm,5%,5W,CH,BK,9.5x27x9.5mm	
R815	2003-001090	R-METAL OXIDE(S);10Kohm,5%,2W,AF,TP,4x12mm	
R816	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R817	2001-001093	R-CARBON(S);2.2KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R818	2001-001143	R-CARBON(S);4.3KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R819	2001-001410	R-CARBON(S);43OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R820	2001-001117	R-CARBON(S);2KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R821	2001-001117	R-CARBON(S);2KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R822	2009-000021	R-METAL PLATE;0.33ohm,10%,5W,CL,TP,5x14x18mm	
R823	2001-001117	R-CARBON(S);2KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R824	2002-001012	R-COMPOSITION;8.2Mohm,10%,1/2W,AA,TP,3.7x9mm	
R825	2002-001012	R-COMPOSITION;8.2Mohm,10%,1/2W,AA,TP,3.7x9mm	
R826	2008-000270	R-FUSIBLE;3.3ohm,5%,1/2W,AA,TP,4.7x11mm	
R827	2002-001012	R-COMPOSITION;8.2Mohm,10%,1/2W,AA,TP,3.7x9mm	
R828	2002-001012	R-COMPOSITION;8.2Mohm,10%,1/2W,AA,TP,3.7x9mm	
R831	2008-000270	R-FUSIBLE;3.3ohm,5%,1/2W,AA,TP,4.7x11mm	
R832	2001-000052	R-CARBON(S);3.3KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R833	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R834	2001-000109	R-CARBON(S);470OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R835	2001-001096	R-CARBON(S);2.2OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R836	2001-000109	R-CARBON(S);470OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R838	2001-001088	R-CARBON(S);1KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R839	2001-001116	R-CARBON(S);27OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R840	2008-000179	R-FUSIBLE(S);10ohm,5%,1/2W,AA,TP,2.5x6.5mm	
R841	2001-001106	R-CARBON(S);220KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R842	2001-001112	R-CARBON(S);24KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
R843	2001-000085	R-CARBON(S);100KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
⚠ REL801	3501-001053	RELAY-POWER;5Vdc,530mW,10A,1FormA,15mS,5mS	
⚠ T801	AA26-20007T	TRANS-SWITCHING;-,AC80V~AC280V,34/36/12/8/8,-,	
⚠ T802	AA26-20004M	TRANS-SWITCHING;-,90~260V,KS,EE2118,7.92MH,-,C	
V801	1405-000187	VARISTOR;750V,1250A,12.5x7mm,TP	
V802	1405-000187	VARISTOR;750V,1250A,12.5x7mm,TP	
V803	1405-000187	VARISTOR;750V,1250A,12.5x7mm,TP	

ASSY-SOUND

*	AA95-40009Z	ASSY-SOUND;-,CW764AHD,SCT53A,DOLBY,3D,-	
C601	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C602	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C603	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C604	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
C605	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C606	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
C610	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C611	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C612	2203-000716	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012,-	
C613	2203-000716	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012,-	
C614	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
C615	2203-000595	C-CERAMIC,CHIP;220pF,5%,50V,NPO,TP,2012,-	
C616	2203-000938	C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,-	
C617	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012,-	
C618	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C619	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C620	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C621	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
C622	2203-000701	C-CERAMIC,CHIP;2pF,0.25pF,50V,NPO,TP,2012,-	
C623	2203-000701	C-CERAMIC,CHIP;2pF,0.25pF,50V,NPO,TP,2012,-	
C624	2203-001077	C-CERAMIC,CHIP;56pF,5%,50V,NPO,TP,2012,-	
C625	2203-001077	C-CERAMIC,CHIP;56pF,5%,50V,NPO,TP,2012,-	
C626	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
C627	2203-000938	C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,-	
C628	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012,-	
C629	2203-001077	C-CERAMIC,CHIP;56pF,5%,50V,NPO,TP,2012,-	
C630	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
C631	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C632	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216,	
C633	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216,	
C634	2203-000784	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,2mm	
C635	2203-000784	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,2mm	
C636	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C637	2401-001026	C-AL;3.3UF,20%,50V,GP,TP,5X11,5	
C638	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
C639	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
C640	2203-000938	C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,-	
C641	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012,-	
C642	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
C643	2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5	
C644	2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5	
C645	2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5	
C646	2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5	
C647	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C648	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C649	2401-001496	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C650	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
C651	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C653	2203-000784	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,2mm	
C654	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216,	
C655	2203-000784	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,2mm	
C656	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216,	
C657	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216,	
C658	2203-000784	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,2mm	
C659	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
C660	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
C661	2203-000784	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,2mm	
C662	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216,	
C663	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216,	
C664	2203-000784	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,2mm	
C665	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
C666	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
C667	2203-000784	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,2mm	
C668	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216,	

Loc. No.	Code No.	Description ; Specification	Remark
C669	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216,	
C670	2203-000784	C-CERAMIC,CHIP;330pF,5%,50V,NPO,TP,2012,2mm	
C671	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
C672	2401-000660	C-AL;2.2uF,20%,50V,GP,TP,5x11,5	
C679	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
C680	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
C681	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C682	2203-002392	C-CERAMIC,CHIP;220nF,+80-20%,50V,Y5V,TP,2012,	
C683	2203-002392	C-CERAMIC,CHIP;220nF,+80-20%,50V,Y5V,TP,2012,	
C684	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
C685	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C688	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C691	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
C692	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
C694	2401-002212	C-AL;10uF,20%,25V,WT,TP,5x11,5	
C695	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216,	
C696	2203-000716	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012,-	
C697	2203-000716	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012,-	
CD601	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CD602	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012,-	
CD603	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
CD604	2203-000595	C-CERAMIC,CHIP;220pF,5%,50V,NPO,TP,2012,-	
CD605	2203-000938	C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,-	
CD606	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
CD607	2203-000938	C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,-	
CD608	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012,-	
CD609	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CD610	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
CD611	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CD612	2401-001026	C-AL;3.3UF,20%,50V,GP,TP,5X11,5	
CD613	2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5	
CD615	2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5	
CD616	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CD618	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CD619	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
CD620	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
CD621	2203-000938	C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,-	
CD622	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012,-	
CD623	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
CD624	2203-000495	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,2012,-	
CD625	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
CD626	2203-000495	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,2012,-	
CD627	2401-002144	C-AL;47uF,20%,16V,GP,TP,5x11,5	
CD628	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CD629	2401-002009	C-AL;100uF,20%,16V,GP,TP,6.3x7,5	
CD630	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216,	
CN601A	3711-003626	CONNECTOR-HEADER;NOWALL,20P,1R,2.5mm,ANGLE,SN	
CN602A	3711-003626	CONNECTOR-HEADER;NOWALL,20P,1R,2.5mm,ANGLE,SN	
D601	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,500mW,4nS,S	
D602	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,500mW,4nS,S	
D603	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,TP	
D604	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,TP	
D605	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,TP	
D606	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,TP	
IC601	1204-001163	IC-SOUND PROCESSOR;MSP3410D,PLCC,68P,24.2MIL,PLAS	
IC602	1001-000164	IC-ANALOG MULTIPLEX;74HC4052,CMOS,SOP,16P,150MIL,S	
IC603	1201-000407	IC-POWER AMP;7050,DIP,8P,-,SINGLE,-,PLASTIC	
IC604	1201-000541	IC-OP AMP;062,SOP,8P,153MIL,DUAL,6V/mV,P	
ICD601	1204-001198	IC-DECODER;DPL3519A,PLCC,68P,24.2MIL,PLAS	
ICD602	1201-000541	IC-OP AMP;062,SOP,8P,153MIL,DUAL,6V/mV,P	
L601	2701-000170	INDUCTOR-AXIAL;3.9uH,10%,2.8x7mm	
L602	2701-000170	INDUCTOR-AXIAL;3.9uH,10%,2.8x7mm	
L603	2701-000112	INDUCTOR-AXIAL;100uH,10%,2.8x7mm	
LD601	2701-000170	INDUCTOR-AXIAL;3.9uH,10%,2.8x7mm	
LD602	2701-000112	INDUCTOR-AXIAL;100uH,10%,2.8x7mm	
LD603	2701-000170	INDUCTOR-AXIAL;3.9uH,10%,2.8x7mm	
Q604	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
Q605	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
Q606	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
Q607	0501-000727	TR-SMALL SIGNAL;BC848C,NPN,310mW,SOT-23,TP,420	
R603	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R604	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R605	2007-000881	R-CHIP;4.7ohm,5%,1/10W,DA,TP,2012	
R606	2007-000881	R-CHIP;4.7ohm,5%,1/10W,DA,TP,2012	
R607	2001-001105	R-CARBON(S);20OHM,5%,1/2W,AA,TP,2.4X6.4MM	
R608	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R609	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	

Loc. No.	Code No.	Description ; Specification	Remark
R610	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R611	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R612	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R613	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
R614	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R617	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R618	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R619	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R620	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R621	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R622	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R623	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012	
R624	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012	
R625	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012	
R626	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012	
R632	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R633	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R634	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R635	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R636	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R637	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R638	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
R639	2007-000001	R-CHIP;68KOHM,5%,1/10W,DA,TP,2012	
R641	2007-000001	R-CHIP;68KOHM,5%,1/10W,DA,TP,2012	
R642	2007-000001	R-CHIP;68KOHM,5%,1/10W,DA,TP,2012	
R644	2007-000001	R-CHIP;68KOHM,5%,1/10W,DA,TP,2012	
R645	2007-000001	R-CHIP;68KOHM,5%,1/10W,DA,TP,2012	
R646	2007-000001	R-CHIP;68KOHM,5%,1/10W,DA,TP,2012	
R647	2007-001177	R-CHIP;8.2KOHM,5%,1/10W,DA,TP,2012	
R648	2007-001177	R-CHIP;8.2KOHM,5%,1/10W,DA,TP,2012	
R651	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R652	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
R653	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R655	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R656	2007-000221	R-CHIP;1.2KOHM,5%,1/10W,DA,TP,2012	
R657	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R660	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R661	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R662	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R663	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R664	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R665	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R666	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R667	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R668	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
R669	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
R670	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R671	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
R672	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R673	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R674	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R675	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RD601	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RD602	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RD603	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
RD604	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
RD605	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RD606	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
RD608	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
RD609	2007-000282	R-CHIP;100KOHM,5%,1/10W,DA,TP,2012	
RD610	2007-000518	R-CHIP;2.7KOHM,5%,1/10W,DA,TP,2012	
RD611	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RD627	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
X601	2801-000186	CRYSTAL-UNIT;18.432MHz,25ppm,28-AAM,8pF,20o	
Z601	0403-000546	DIODE-ZENER;MTZ3.6B,3.6V,3.6-3.845V,500mW,	

ASSY-PCB,LCD CONTROL

*	AA95-90033B	ASSY-PCB,LCD CONTROL;-,SP-403JHA,PLT51A,EC,-,-	
AC1	3711-003641	CONNECTOR-HEADER;BOX,12P,1R,2.5mm,STRAIGHT,SN	
AC2	3711-001054	CONNECTOR-HEADER;BOX,6P,1R,2.5mm,STRAIGHT,SN	
AC3	3711-000585	CONNECTOR-HEADER;BOX,10P,1R,2.5mm,ANGLE,-	
AP3	3711-002647	CONNECTOR-HEADER;BOX,8P,1R,2.5mm,STRAIGHT,SN	
CL101	2401-001115	C-AL;330uF,20%,25V,GP,TP,10x12.5,5	
CL102	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	

Loc. No.	Code No.	Description ; Specification	Remark
CL103	2401-001115	C-AL;330uF,20%,25V,GP,TP,10x12.5,5	
CL104	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL105	2401-001363	C-AL;470uF,20%,16V,GP,TP,10x12.5,5	
CL106	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL107	2401-001363	C-AL;470uF,20%,16V,GP,TP,10x12.5,5	
CL108	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL109	2401-001363	C-AL;470uF,20%,16V,GP,TP,10x12.5,5	
CL110	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL111	2401-001363	C-AL;470uF,20%,16V,GP,TP,10x12.5,5	
CL112	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL113	2401-000360	C-AL;100uF,20%,50V,GP,TP,8x11.5,5	
CL114	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL115	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CL116	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL117	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CL118	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CL119	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CL120	2401-001537	C-AL;47uF,20%,25V,GP,TP,6.3x7mm,5mm	
CL121	2203-000575	C-CERAMIC,CHIP;220NF,10%,25V,X7R,TP,2012	
CL122	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CL123	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CL124	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CL125	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
CL126	2401-000603	C-AL;1uF,20%,50V,GP,TP,5x11,5	
CL127	2401-001537	C-AL;47uF,20%,25V,GP,TP,6.3x7mm,5mm	
CL128	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL129	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CL130	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CL131	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
CL132	2203-000575	C-CERAMIC,CHIP;220NF,10%,25V,X7R,TP,2012	
CL133	2203-000575	C-CERAMIC,CHIP;220NF,10%,25V,X7R,TP,2012	
CL134	2203-002442	C-CERAMIC,CHIP;330nF,+80-20%,25V,Y5V,TP,2012,	
CL135	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
CL141	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CL142	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CL157	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL201	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CL202	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL203	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL204	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL205	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL206	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL207	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL208	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL209	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL210	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL211	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL212	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CL213	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CL214	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL215	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL216	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL217	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CL218	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CL220	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CL221	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL222	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL223	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL224	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	
CL225	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	
CL226	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	
CL227	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	
CL229	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL230	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL231	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL232	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL233	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL234	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL235	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL236	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL237	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL238	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL239	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CL240	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CL242	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CL243	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL244	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL245	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL246	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL247	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL248	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL249	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL250	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL251	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL252	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL255	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL256	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL257	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL258	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL260	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL261	2401-000318	C-AL;100uF,20%,25V,LZ,TP,8x11.5,5	
CL262	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL263	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CL264	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CL265	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL266	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	
CL267	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	
CL268	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	
CL269	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL270	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL271	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	
CL272	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	
CL273	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	
CL274	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CL301	2401-001840	C-AL;100uF,20%,16V,GP,TP,6.3x11,5	
CL302	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL303	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL305	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CL307	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CL309	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CL311	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CL313	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,-	
CL314	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL315	2203-001158	C-CERAMIC,CHIP;68pF,5%,50V,NPO,TP,2012,-	
CL316	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL317	2401-001026	C-AL;3.3UF,20%,50V,GP,TP,5X11,5	
CL318	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CL321	2203-000260	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,2012,-	
CL322	2401-001537	C-AL;47uF,20%,25V,GP,TP,6.3x7mm,5mm	
CL323	2401-001537	C-AL;47uF,20%,25V,GP,TP,6.3x7mm,5mm	
CL324	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL325	2401-000318	C-AL;100uF,20%,25V,LZ,TP,8x11.5,5	
CL326	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL327	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL329	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL403	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL404	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL405	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
CL406	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL407	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL408	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
CL501	2201-000265	C-CERAMIC,DISC;180pF,5%,50V,RH,TP,8x3,5	
CL502	2201-000146	C-CERAMIC,DISC;100pF,5%,50V,SL,TP,5x3,5	
CL503	2201-000653	C-CERAMIC,DISC;.068NF,5%,50V,SL,TP,4X3MM,5	
CL601	2401-000598	C-AL;1uF,20%,50V,GP,TP,4x7,5	
CL602	2401-000480	C-AL;10uF,20%,50V,GP,TP,5x11,5	
CNL04	3708-001162	CONNECTOR-FPC/FC/PIC;24P,1mm,SMD-A,SN	
CNL06	3711-002642	CONNECTOR-HEADER;BOX,3P,1R,2.5mm,STRAIGHT,SN	
CNL07	3711-002644	CONNECTOR-HEADER;BOX,5P,1R,2.5mm,STRAIGHT,SN	
CNL08	3711-002642	CONNECTOR-HEADER;BOX,3P,1R,2.5mm,STRAIGHT,SN	
DL301	0405-000117	DIODE-VARACTOR;1SV215,30V,10nA,USC,TP	
DL401	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,500mW,4nS,S	
DL402	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,500mW,4nS,S	
DL403	0401-000133	DIODE-SWITCHING;RLS4148,100V,200mA,500mW,4nS,S	
DL501	0403-000294	DIODE-ZENER;MTZ4.7B,4.7V,4.55-4.80V,500mW,	
DL502	0401-000005	DIODE-SWITCHING;1N4148,75V,200MA,DO-35,TP	
DL503	0403-000294	DIODE-ZENER;MTZ4.7B,4.7V,4.55-4.80V,500mW,	
FL302	2901-000227	FILTER-EMI SMD;50V,300mA,-,100pF,12.5x4.5x1.2	
FL303	2901-000227	FILTER-EMI SMD;50V,300mA,-,100pF,12.5x4.5x1.2	
ICL101	1203-000006	IC-POSI.FIXED REG.;7808,TO-220,3P,-,PLASTIC,7.7/8	
ICL102	1203-000162	IC-POSI.ADJUST REG.;317,TO-220,3P,-,PLASTIC,12V,-,	
ICL103	1203-000274	IC-POSI.FIXED REG.;7805,TO-220,3P,-,PLASTIC,4.8/5	
ICL109	0801-000901	IC-CMOS LOGIC;74HC04,INVERTER,SOP,14P,150MIL	
ICL201	1002-000134	IC-D/A CONVERTER;TDA8444,6BIT,DIP,16P,-,-,ST,BI	

Loc. No.	Code No.	Description ; Specification	Remark
ICL202	1002-000134	IC-D/A CONVERTER;TDA8444,6BIT,DIP,16P,-,-,ST,BI	
ICL203	1002-000134	IC-D/A CONVERTER;TDA8444,6BIT,DIP,16P,-,-,ST,BI	
ICL204	1003-001094	IC-LCD DRIVER;CXA1853Q,QFP,80P,14.0MIL,-,-,T	
ICL205	1003-001093	IC-LCD DRIVER;CXA2504N,SOP,40P,248MIL,PLASTI	
ICL301	1003-001095	IC-LCD CONTROLLER;CXD2443Q,QFP,100P,-,-,-,TR,PLA	
ICL401	0801-000662	IC-CMOS LOGIC;74HC123,MULTIVIBATOR,SOP,16P,1	
ICL402	0801-000662	IC-CMOS LOGIC;74HC123,MULTIVIBATOR,SOP,16P,1	
ICL403	0801-000662	IC-CMOS LOGIC;74HC123,MULTIVIBATOR,SOP,16P,1	
ICL404	1204-000464	IC-VIDEO PROCESS;TDA4780,DIP,28P,-,PLASTIC,8.8V	
LL101	2701-000112	INDUCTOR-AXIAL;100uH,10%,2.8x7mm	
LL104	2701-000002	INDUCTOR-AXIAL;100uH,10%,4.2x9.8mm	
LL201	2701-000112	INDUCTOR-AXIAL;100uH,10%,2.8x7mm	
LL202	2701-000112	INDUCTOR-AXIAL;100uH,10%,2.8x7mm	
LL203	2701-000112	INDUCTOR-AXIAL;100uH,10%,2.8x7mm	
LL301	2701-000112	INDUCTOR-AXIAL;100uH,10%,2.8x7mm	
LL303	2701-000112	INDUCTOR-AXIAL;100uH,10%,2.8x7mm	
LL304	2701-000112	INDUCTOR-AXIAL;100uH,10%,2.8x7mm	
LL305	2701-000202	INDUCTOR-AXIAL;560nH,10%,2.5x3.4mm	
LL306	2701-000202	INDUCTOR-AXIAL;560nH,10%,2.5x3.4mm	
LL307	2701-000202	INDUCTOR-AXIAL;560nH,10%,2.5x3.4mm	
LL401	2701-000149	INDUCTOR-AXIAL;2.7uH,10%,2.5x3.4mm	
LL402	2701-000208	INDUCTOR-AXIAL;6.8uH,10%,2.5x3.4mm	
LL403	2701-000208	INDUCTOR-AXIAL;6.8uH,10%,2.5x3.4mm	
QL105	0501-000002	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,TP,135	
QL106	0501-000002	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,TP,135	
QL107	0501-000002	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,TP,135	
QL201	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-23,TP,	
QL202	0501-000002	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,TP,135	
QL203	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-23,TP,	
QL204	0501-000002	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,TP,135	
QL301	0501-000002	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,TP,135	
QL302	0501-000002	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,TP,135	
QL303	0501-000002	TR-SMALL SIGNAL;KSA812,PNP,150mW,SOT-23,TP,135	
QL401	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-23,TP,	
QL402	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-23,TP,	
QL403	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-23,TP,	
QL404	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-23,TP,	
QL405	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-23,TP,	
QL406	0501-000342	TR-SMALL SIGNAL;KSC1623-Y,NPN,200mW,SOT-23,TP,	
RL101	2001-001146	R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4MM	
RL102	2004-001376	R-METAL(S);11Kohm,1%,1/2W,AA,TP,2.4x6.4mm	
RL103	2001-001146	R-CARBON(S);4.7OHM,5%,1/2W,AA,TP,2.4X6.4MM	
RL105	2001-001045	R-CARBON(S);1.2KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
RL112	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
RL113	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
RL114	2007-000030	R-CHIP;560OHM,5%,1/10W,DA,TP,2012	
RL115	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL116	2007-001001	R-CHIP;510OHM,5%,1/10W,DA,TP,2012	
RL118	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL119	2007-001001	R-CHIP;510OHM,5%,1/10W,DA,TP,2012	
RL121	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL122	2007-001001	R-CHIP;510OHM,5%,1/10W,DA,TP,2012	
RL127	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
RL128	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RL129	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL130	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL131	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RL132	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL133	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL134	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL135	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RL136	2007-001071	R-CHIP;6.8KOHM,5%,1/10W,DA,TP,2012	
RL137	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RL138	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RL139	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL140	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RL141	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL142	2007-000931	R-CHIP;470OHM,5%,1/10W,DA,TP,2012	
RL143	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL154	2007-000671	R-CHIP;2KOHM,5%,1/10W,DA,TP,2012	
RL155	2007-001118	R-CHIP;680OHM,5%,1/10W,DA,TP,2012	
RL156	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL157	2007-000671	R-CHIP;2KOHM,5%,1/10W,DA,TP,2012	
RL158	2007-001118	R-CHIP;680OHM,5%,1/10W,DA,TP,2012	
RL159	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL160	2007-000671	R-CHIP;2KOHM,5%,1/10W,DA,TP,2012	
RL161	2007-001118	R-CHIP;680OHM,5%,1/10W,DA,TP,2012	
RL162	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL163	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RL164	2007-000844	R-CHIP;3KOHM,5%,1/10W,DA,TP,2012	
RL165	2007-001009	R-CHIP;51KOHM,5%,1/10W,DA,TP,2012	
RL166	2007-000964	R-CHIP;5.1KOHM,5%,1/10W,DA,TP,2012	
RL167	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL168	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL169	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL170	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL171	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL172	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL173	2007-001001	R-CHIP;510OHM,5%,1/10W,DA,TP,2012	
RL174	2007-001001	R-CHIP;510OHM,5%,1/10W,DA,TP,2012	
RL175	2007-001001	R-CHIP;510OHM,5%,1/10W,DA,TP,2012	
RL178	2007-000710	R-CHIP;3.9KOHM,5%,1/10W,DA,TP,2012	
RL201	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL202	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL203	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL204	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL205	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RL206	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL207	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL208	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL209	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RL210	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RL211	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL212	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL213	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL214	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL215	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL216	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL217	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL218	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL219	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL220	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL221	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL222	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL223	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL224	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL225	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RL226	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RL227	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RL228	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL229	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL230	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RL231	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
RL232	2007-001141	R-CHIP;7.5KOHM,5%,1/10W,DA,TP,2012	
RL233	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
RL234	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
RL235	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
RL236	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
RL237	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
RL238	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
RL239	2007-000068	R-CHIP;470KOHM,5%,1/10W,DA,TP,2012	
RL240	2007-000068	R-CHIP;470KOHM,5%,1/10W,DA,TP,2012	
RL241	2007-000068	R-CHIP;470KOHM,5%,1/10W,DA,TP,2012	
RL242	2007-000068	R-CHIP;470KOHM,5%,1/10W,DA,TP,2012	
RL243	2007-001055	R-CHIP;6.2KOHM,5%,1/10W,DA,TP,2012	
RL244	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
RL245	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL246	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL247	2007-000267	R-CHIP;1.8KOHM,5%,1/10W,DA,TP,2012	
RL248	2007-000872	R-CHIP;4.7KOHM,5%,1/10W,DA,TP,2012	
RL249	2007-001224	R-CHIP;9.1KOHM,5%,1/10W,DA,TP,2012	
RL250	2007-001141	R-CHIP;7.5KOHM,5%,1/10W,DA,TP,2012	
RL251	2007-000457	R-CHIP;18KOHM,5%,1/10W,DA,TP,2012	
RL252	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
RL253	2007-000686	R-CHIP;3.3KOHM,5%,1/10W,DA,TP,2012	
RL254	2007-000881	R-CHIP;4.7ohm,5%,1/10W,DA,TP,2012	
RL255	2007-000881	R-CHIP;4.7ohm,5%,1/10W,DA,TP,2012	
RL256	2007-001055	R-CHIP;6.2KOHM,5%,1/10W,DA,TP,2012	
RL257	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
RL261	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
RL262	2007-000068	R-CHIP;470KOHM,5%,1/10W,DA,TP,2012	
RL263	2007-000068	R-CHIP;470KOHM,5%,1/10W,DA,TP,2012	
RL264	2007-000068	R-CHIP;470KOHM,5%,1/10W,DA,TP,2012	
RL265	2007-000068	R-CHIP;470KOHM,5%,1/10W,DA,TP,2012	

Loc. No.	Code No.	Description ; Specification	Remark
RL266	2007-000068	R-CHIP;470KOHM,5%,1/10W,DA,TP,2012	
RL267	2007-000068	R-CHIP;470KOHM,5%,1/10W,DA,TP,2012	
RL268	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
RL301	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
RL302	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012	
RL303	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012	
RL304	2007-000964	R-CHIP;5.1KOHM,5%,1/10W,DA,TP,2012	
RL305	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL306	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RL307	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
RL308	2007-000774	R-CHIP;33KOHM,5%,1/10W,DA,TP,2012	
RL310	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RL313	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL314	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL315	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL316	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL317	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL318	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL320	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL321	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL322	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL323	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL324	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL325	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL326	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL327	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL328	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL329	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL330	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL331	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL332	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL333	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL334	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL335	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL336	2007-000615	R-CHIP;24KOHM,5%,1/10W,DA,TP,2012	
RL401	2007-000493	R-CHIP;2.2KOHM,5%,1/10W,DA,TP,2012	
RL402	2007-000258	R-CHIP;1.6KOHM,5%,1/10W,DA,TP,2012	
RL403	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
RL404	2007-000710	R-CHIP;3.9KOHM,5%,1/10W,DA,TP,2012	
RL405	2007-001177	R-CHIP;8.2KOHM,5%,1/10W,DA,TP,2012	
RL406	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
RL407	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
RL408	2007-001118	R-CHIP;680OHM,5%,1/10W,DA,TP,2012	
RL409	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
RL501	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL502	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
RL503	2007-000642	R-CHIP;270OHM,5%,1/10W,DA,TP,2012	
TL301	AA26-10006F	TRANS-IF;-,7mG,VIF,-,7mm,18pF,67MHz,ST,	

ASSY-PCB,FEATURE BOX

*	AA95-90036B	ASSY-PCB,FEATURE BOX;-,SP-403JHA,PLT51A,EC,-,-	
C200G	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216,3.2m	
C201	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C203	2203-000683	C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,-	
C204	2203-000683	C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,-	
C205	2203-000683	C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,-	
C206	2203-000683	C-CERAMIC,CHIP;27pF,5%,50V,NPO,TP,2012,-	
C207	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216,3.2m	
C208	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216,3.2m	
C209	2203-000578	C-CERAMIC,CHIP;220nF,20%,50V,Y5V,TP,3216,3.2m	
C211	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C212	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C213	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C214	2401-000027	C-AL;4.7uF,20%,50V,GP,TP,5x11,5	
C215	2203-001172	C-CERAMIC,CHIP;6pF,0.25pF,50V,NPO,TP,2012,-	
C216	2203-001172	C-CERAMIC,CHIP;6pF,0.25pF,50V,NPO,TP,2012,-	
C217	2203-000444	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,2012,-	
C218	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216,	
C219	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C21H	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C220	2401-001496	C-AL;47uF,20%,16V,GP,TP,5x7,5	
C221	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C222	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C223	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C224	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C225	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C226	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C227	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C228	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C229	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C230	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C233	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C234	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
C236	2401-002235	C-AL;10uF,20%,16V,GP,TP,5x11mm,5mm	
C237	2203-000979	C-CERAMIC,CHIP;47nF,10%,50V,X7R,TP,2012,-	
C239	2203-000753	C-CERAMIC,CHIP;330nF,+80-20%,50V,Y5V,TP,3216,	
C243	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C244	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C245	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C246	2401-002594	C-AL;220uF,20%,16V,GP,TP,8x11.5,5	
C247	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C248	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C249	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C250	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C251	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C252	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C253	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C254	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C255	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C256	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C257	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C258	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C259	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C260	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C262	2401-002594	C-AL;220uF,20%,16V,GP,TP,8x11.5,5	
C263	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C264	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C265	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C266	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C267	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C268	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C269	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C270	2401-002594	C-AL;220uF,20%,16V,GP,TP,8x11.5,5	
C271	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C272	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C273	2401-000302	C-AL;100uF,20%,25V,GP,TP,6.3x11,5	
C274	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C275	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C276	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C277	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C278	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C279	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C280	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C281	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C282	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,-	
C283	2203-000142	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,2012,-	
C402	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C404	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,2012,	
C405	2203-001002	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,2012,-	
C409	2203-000938	C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,-	
C414	2203-000239	C-CERAMIC,CHIP;100pF,5%,50V,NPO,TP,2012,-	
C415	2203-001002	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,2012,-	
C416	2203-001002	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,2012,-	
C421	2203-001002	C-CERAMIC,CHIP;47pF,5%,50V,NPO,TP,2012,-	
C428	2401-000914	C-AL;22uF,20%,16V,GP,TP,5x11,5	
CF01	2203-000555	C-CERAMIC,CHIP;20pF,5%,50V,NPO,TP,2012,-	
CF02	2203-000555	C-CERAMIC,CHIP;20pF,5%,50V,NPO,TP,2012,-	
CF03	2203-000555	C-CERAMIC,CHIP;20pF,5%,50V,NPO,TP,2012,-	
CF09	2203-000938	C-CERAMIC,CHIP;470pF,5%,50V,NPO,TP,2012,-	
CN203	3711-001283	CONNECTOR-HEADER;NOWALL,14P,1R,2.5mm,ANGLE,-	
CN204	3711-001283	CONNECTOR-HEADER;NOWALL,14P,1R,2.5mm,ANGLE,-	
CN205	3711-003543	CONNECTOR-HEADER;NOWALL,16P,1R,2.54mm,ANGLE,SN	
CN206	3711-001283	CONNECTOR-HEADER;NOWALL,14P,1R,2.5mm,ANGLE,-	
D205	0403-000666	DIODE-ZENER;MTZ5.1A,5.1V,4.81-5.07V,500mW,	
IC201	1205-001172	IC-INTERFACE;CIP3250A,PLCC,68P,24.2MIL,PLAS	
IC202	1204-001362	IC-VIDEO PROCESS;VPC3215C,PLCC,43P,-,PLASTIC,6.	
IC203	1203-000346	IC-VOL. SUPERVISORY;7705,SOP,8P,150MIL,PLASTIC,20V	
IC204	1002-001045	IC-D/A CONVERTER;9280,8BIT,PLCC,68P,-,-,TR,CMOS	
IC206	1204-001188	IC-VERTICAL PROCESSO;SDA9272,QFP,208P,28.0MIL,PLAS	
IC207	1105-001071	IC-DRAM;9253,212x64BIT,QFP,64P,17.2MIL	
IC208	1105-001071	IC-DRAM;9253,212x64BIT,QFP,64P,17.2MIL	

Loc. No.	Code No.	Description ; Specification	Remark
IC212	0803-000123	IC-TTL;74F125,BUFFER,SOP,14P,150MIL,Q	
L202	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm	
L203	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm	
L204	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm	
L205	2701-000142	INDUCTOR-AXIAL;1uH,10%,2.5x3.4mm	
L206	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
L207	2901-000297	FILTER-EMI ON BOARD;-,3A,-,-,3.5x5,TP,-	
L208	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L210	2701-000146	INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm	
L211	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L212	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L213	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L214	2701-000116	INDUCTOR-AXIAL;10uH,10%,4.2x9.8mm	
L215	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L216	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L217	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L218	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L220	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L230	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
L232	2701-000146	INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm	
L233	2701-000146	INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm	
L236	2701-000146	INDUCTOR-AXIAL;2.2uH,10%,2.5x3.4mm	
L237	2701-000115	INDUCTOR-AXIAL;10uH,10%,2.8x7mm	
LF01	2001-000210	R-CARBON;0OHM,5%,1/8W,AA,TP,1.8X3.2MM	
LF02	2001-000210	R-CARBON;0OHM,5%,1/8W,AA,TP,1.8X3.2MM	
Q203	0501-000389	TR-SMALL SIGNAL;KSC815,NPN,400mW,TO-92,TP,120-	
R1	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R11	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R13	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R15	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R16	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R18	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R20	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R212	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R213	2007-000941	R-CHIP;47KOHM,5%,1/10W,DA,TP,2012	
R215	2007-000380	R-CHIP;13KOHM,5%,1/10W,DA,TP,2012	
R216	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R217	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R218	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R219	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R22	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R220	2007-000401	R-CHIP;150OHM,5%,1/10W,DA,TP,2012	
R221	2007-001055	R-CHIP;6.2KOHM,5%,1/10W,DA,TP,2012	
R222	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R223	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R224	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R225	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R226	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R227	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R228	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R229	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R230	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R231	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R232	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R234	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R235	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R236	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R237	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R238	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R24	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R242	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R250	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R251	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R252	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R26	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R266	2007-000409	R-CHIP;15KOHM,5%,1/10W,DA,TP,2012	
R267	2007-000586	R-CHIP;22KOHM,5%,1/10W,DA,TP,2012	
R268	2007-000593	R-CHIP;22OHM,5%,1/10W,DA,TP,2012	
R269	2007-000468	R-CHIP;1KOHM,5%,1/10W,DA,TP,2012	
R28	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R3	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R30	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R302	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R303	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R304	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R400	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R403	2007-000781	R-CHIP;33OHM,5%,1/10W,DA,TP,2012	
R404	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R405	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R406	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R440	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R441	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R443	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R444	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R446	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R447	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R451	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R453	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R454	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R455	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R457	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
R5	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R54	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R55	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R56	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R57	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R65	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R66	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R67	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R68	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R7	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
R9	2007-000947	R-CHIP;47OHM,5%,1/10W,DA,TP,2012	
RF01	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RF02	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RF03	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RF04	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
RL405	2007-000355	R-CHIP;12KOHM,5%,1/10W,DA,TP,2012	
X201	2801-003432	CRYSTAL-UNIT;20.25MHZ,30PPM,28-AAM,13PF,20OHM,TP	

ASSY-DOOR

*	AA91-20056C	ASSY-DOOR;-,ABS HB,DG-703P,SPM403J	
C708	2202-000263	C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP,3.5x19,-	
C709	2202-000263	C-CERAMIC,MLC-AXIAL;470pF,10%,50V,Y5P,TP,3.5x19,-	
C710	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP,1.9x3.5,-	
C711	2202-000121	C-CERAMIC,MLC-AXIAL;100pF,10%,50V,Y5P,TP,1.9x3.5,-	
C712	2202-000231	C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP,3.5x19,-	
C713	2202-000231	C-CERAMIC,MLC-AXIAL;330pF,10%,50V,Y5P,TP,3.5x19,-	
C714	2202-000825	C-CERAMIC,MLC-AXIAL;680pF,10%,50V,Y5P,TP,3.5x19,-	
C715	2202-000825	C-CERAMIC,MLC-AXIAL;680pF,10%,50V,Y5P,TP,3.5x19,-	
CND01	AA39-20601A	LEAD CONNECTOR-ASSY;-,5264-03,35022-03,3P,800mm,10	
CNF01	AA39-20597A	LEAD CONNECTOR-ASSY;-,5264-10,35022-10,10P,700mm,1	
DC01	0403-000296	DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500mW,	
JA701	3722-001163	JACK-VHS;11P,12mm,AU,BLK,N	
JA702	3722-001178	JACK-PIN;1P,3.4mm,SN,YEL,#16-22	
JA703	3722-001176	JACK-PIN;1P,3.4mm,SN,WHT,#16-22	
JA704	3722-001177	JACK-PIN;1P,3.4mm,SN,RED,#16-22	
JKH01	3722-000143	JACK-PHONE;1P(VER),3.4mm,AG,BLK,NO	
L701	2701-000101	INDUCTOR-AXIAL;1.2uH,10%,2.5x3.4mm	
L702	2701-000101	INDUCTOR-AXIAL;1.2uH,10%,2.5x3.4mm	
L703	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
L704	2001-000857	R-CARBON;560OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R701	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R702	2001-000273	R-CARBON;100KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R703	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R704	2001-000969	R-CARBON;75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
RC06	2001-001115	R-CARBON(S);27KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
RC07	2001-000052	R-CARBON(S);3.3KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
RC08	2001-001055	R-CARBON(S);1.8KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
RC09	2001-001071	R-CARBON(S);12KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
RC10	2001-001168	R-CARBON(S);6.8KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
SWY01	3404-001006	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SWY02	3404-001006	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SWY03	3404-001006	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SWY04	3404-001006	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
SWY05	3404-001006	SWITCH-TACT;12V,50mA,160gf,6x6mm,SPST	
	AA61-30001A	LATCH-DOOR;-,-,-,KIFUCO LA701,-	
	AA61-60109A	SPRING-DOOR;-,SUS304,PI0.5,-,H12.5,N32,-,-	
	AA61-80002A	DAMPER-GEAR;-,DP802,-,37G,BLU,DP802,-	
	AA64-10776A	BUTTON-KEY,PAL;-,SPM-403J,5,ABS,HB,BLK	
	AA64-30856A	CASE-DRAWER,TOP;-,ABS,HB,-,-,BLK,-,SVP-403J	
	AA64-30857B	CASE-DRAWER,BOT;-,SPT403J,DG703P,ABS,HB,BLK,-,	

Loc. No.	Code No.	Description ; Specification	Remark
	AA64-30858A	CASE-DRAWER,BODY;-,ABS,HB,-,-,BLK,-,SVP-403J	
	AA64-60444A	INLAY-CONTROL,PAL;SPM-403J,-,PS,T0.4,BLK,-,-	

ASSY-S/W,DETECTOR

*	AA95-90021F	ASSY-S/W,DETECTOR;-,SVP-403J,ALT51A,NTSC,110-220	
AF1A	AA39-20015M	LEAD CONNECTOR-ASSY;-,67096-003,-,3(2)P,900mm,1007	
SL+BS	6001-001003	SCREW-MACHINE;BH,+,M2.6,L6,ZPC(BLK),SWRCH10A	
SW	3409-000178	SWITCH-LEVER;12V,100mA,SPDT,-,27deg	
	AA61-10185A	BRACKET-SENSOR;-,L3300,SECC,T1.0,-,-,-	

ASSY-PCB,REMOCON

*	AA95-90032Y	ASSY-PCB,REMOCON;-,SP-403JHA,PLT51A,EC,-,-	
CC01	2401-001496	C-AL;47uF,20%,16V,GP,TP,5x7,5	
CNM08A	AA39-20602A	LEAD CONNECTOR-ASSY;-,5264-06,35022-06,6P,500mm,10	
D01	0601-000385	LED;ROUND,RED,3mm,700nm	
D02	0601-000385	LED;ROUND,RED,3mm,700nm	
D03	0601-000368	LED;ROUND,Y-GRN,3mm,557nm	
DC02	0403-000296	DIODE-ZENER;MTZ5.6B,5.6V,5.45-5.73V,500mW,	
RC01	2001-001108	R-CARBON(S);22KOHM,5%,1/2W,AA,TP,2.4X6.4MM	
RC02	2001-000020	R-CARBON(S);22OHM,5%,1/2W,AA,TP,2.4X6.4MM	
RMC01	AA59-60003H	MODULE-REMOCON;-,ORC-05H2,38KHz,940nm,MESH,H,	

ASSY-PCB,MASTER

*	AA95-90032Z	ASSY-PCB,MASTER;-,SP-403JHA,PLT51A,EC,-,-	
SWP02	3403-000179	SWITCH-PUSH;250V,5A,DPST,-,JPW-2104B	
P804D	AA39-20176F	LEAD CONNECTOR-ASSY;-,YFH800-03,S,3(2)P,600mm,1617	
P802D	AA39-20179C	LEAD CONNECTOR-ASSY;-,YFH150-03,S,3(2)P,600mm,1617	

ASSY-POWER,CORD

⚠	AA39-10003B	POWER-CORD;-,KJP-140,KLCE-2F,2.4m,HOUS,S,	
	AA61-20284A	HOLDER;-,P-CORD,PP,VO,BLK,KE-002	

REMOCON

*	AA59-10103H	REMOCON;-,TM49,SS,RM767C5,47,EX,-,L/GR	

ASSY-HOLDER,SPK

*	AA91-60225A	ASSY-HOLDER,SPK;-,PP,HB,BLK,8R20W,168BR20K	
AS1A	AA39-20505A	LEAD CONNECTOR-ASSY;-,YSH025-04,REC,4P,900.700,100	

ASSY-ACCESSORY

	AA39-40001B	CABLE-RCA;-,RCA,1500mm,0.12/10,RED/WHT/Y	
	AA68-00235A	MANUAL-USERS;M51A,ARAB,-,B5,W/P100(G),MANUAL	

ASSY-HOUSING,MECHA

*	AA91-20068A	ASSY-HOUSING,MECHA;-,VO,-,SVP403J	
	AA61-80056A	HOUSING-MECHA,BOT;SVP-403J,HIPS,VO,BLK,-	
	AA63-50351A	GRILLE-LAMP;-,SVP-403J,-,SECC,TO.5,CLEAR,-	
	AA63-60123A	SPACER-SPONGE,LCD;SPONGE,-,BLK,VO,SVP-403J,-	

ASSY-DUCT,IN

*	AA91-20069A	ASSY-DUCT,IN;-,VO,FAN,SVP403J	
	3103-001017	FAN-DC;12VDC,120mA,2200rpm,1m^3,2.3P	
CL+CR	6002-000522	SCREW-TAPPING;TH,+,2,M4,L15,ZPC(BLK),SWRCH18	
AF3A	AA39-20014F	LEAD CONNECTOR-ASSY;-,67096-003,-,3P,700mm,1007#26	
	AA63-30178A	COVER-DUCT,IN,R;-,SVP-403J,-,HIPS,VO,BLK,-,-	
	AA63-30179A	COVER-DUCT,IN,L;-,SVP-403J,-,HIPS,VO,BLK,-,-	

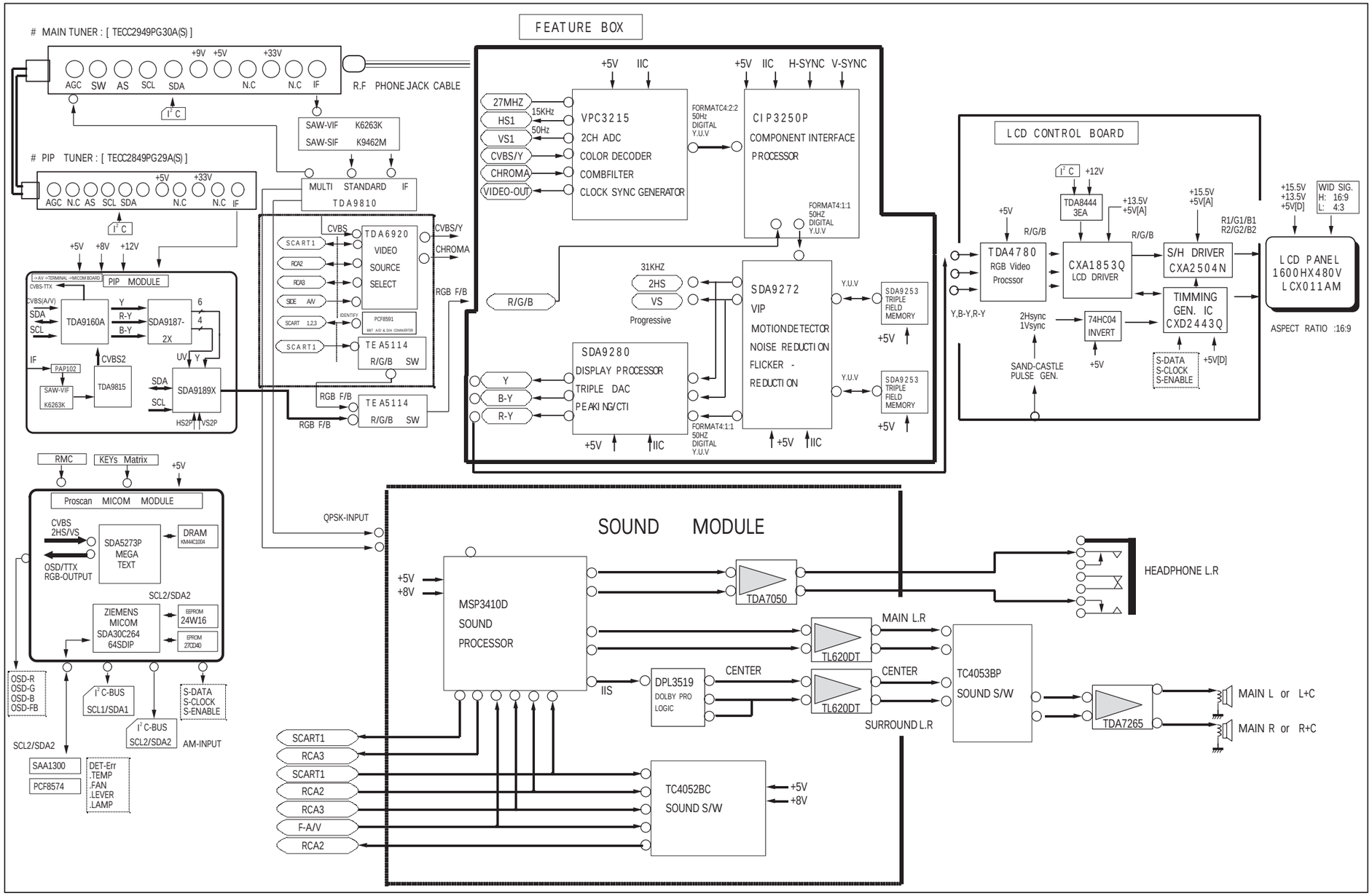
Loc. No.	Code No.	Description ; Specification	Remark

ASSY-DUCT-,OUT

*	AA91-20070B	ASSY-DUCT-,OUT;-,V0,FAN,SVP403J	
	3103-001017	FAN-DC;12VDC,120mA,2200rpm,1m^3,2.3P	
	4712-001011	THERMOSTAT;125/250V,15A/7.5A,105+-5C,95+-7,200MA	
OR+OL	6002-000522	SCREW-TAPPING;TH,+,2,M4,L15,ZPC(BLK),SWRCH18	
BL+THE	6003-000334	SCREW-TAPTITE;RH,+,2S,M3,L6,ZPC(YEL),SWRCH18	
BL+CDO	6003-001023	SCREW-TAPTITE;RWH,+,B,M3,L10,ZPC(YEL),SWRCH1	
AF4A	AA39-20014F	LEAD CONNECTOR-ASSY;-,67096-003,-,3P,700mm,1007#26	
AT1A	AA39-20015M	LEAD CONNECTOR-ASSY;-,67096-003,-,3(2)P,900mm,1007	
	AA61-11006A	BRACKET-LAMP;-,SVP-403J,SECC-1,T1.0,-,-,-	
	AA63-30180A	COVER-DUCT,OUT,R;-,SVP-403J,-,ABS,V0,BLK,-,-	
	AA63-30181A	COVER-DUCT,OUT,L;-,SVP-403J,-,ABS,V0,BLK,-,-	

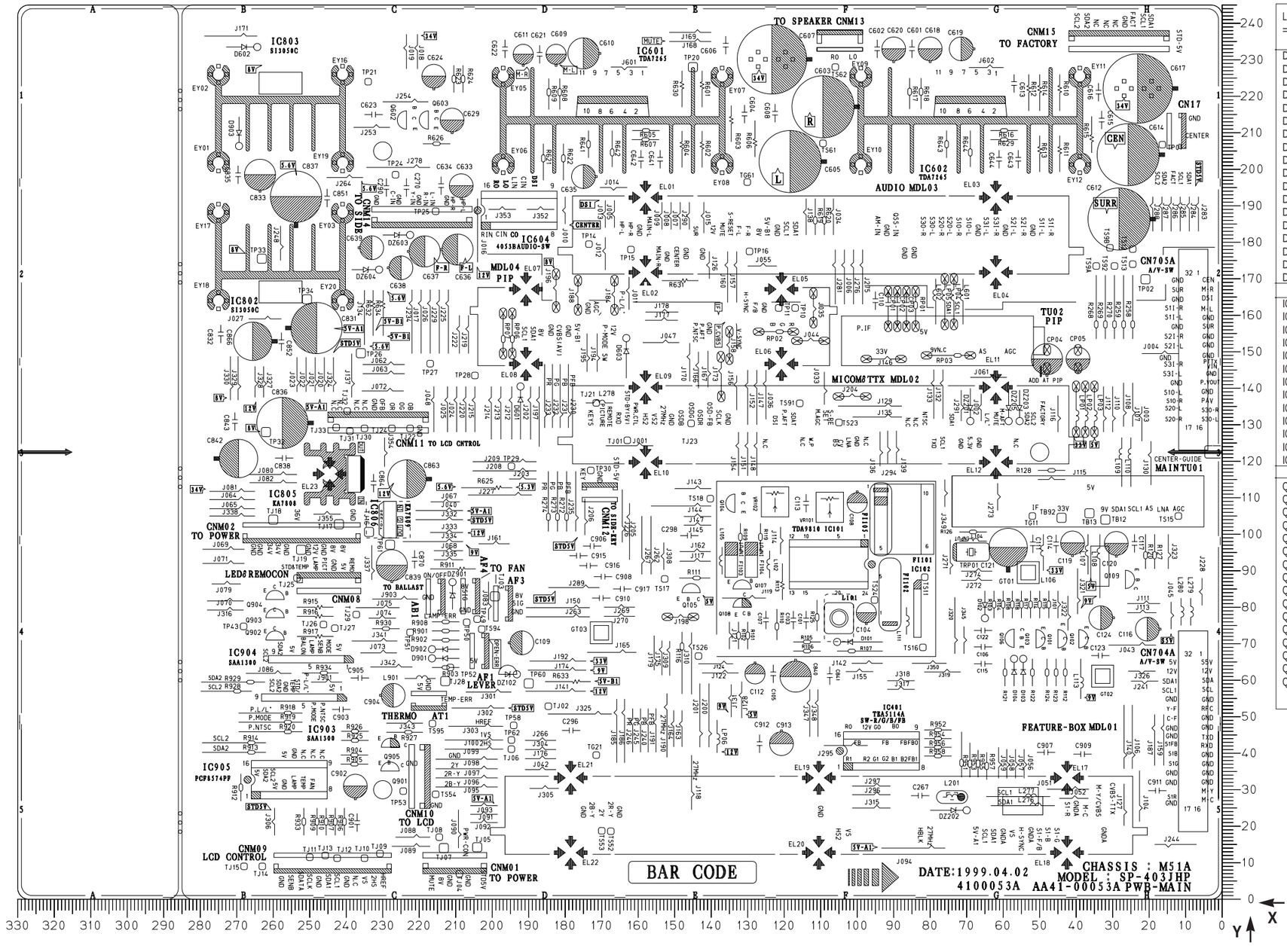
9. Block Diagram

9-1 M51A (SP403JHP)



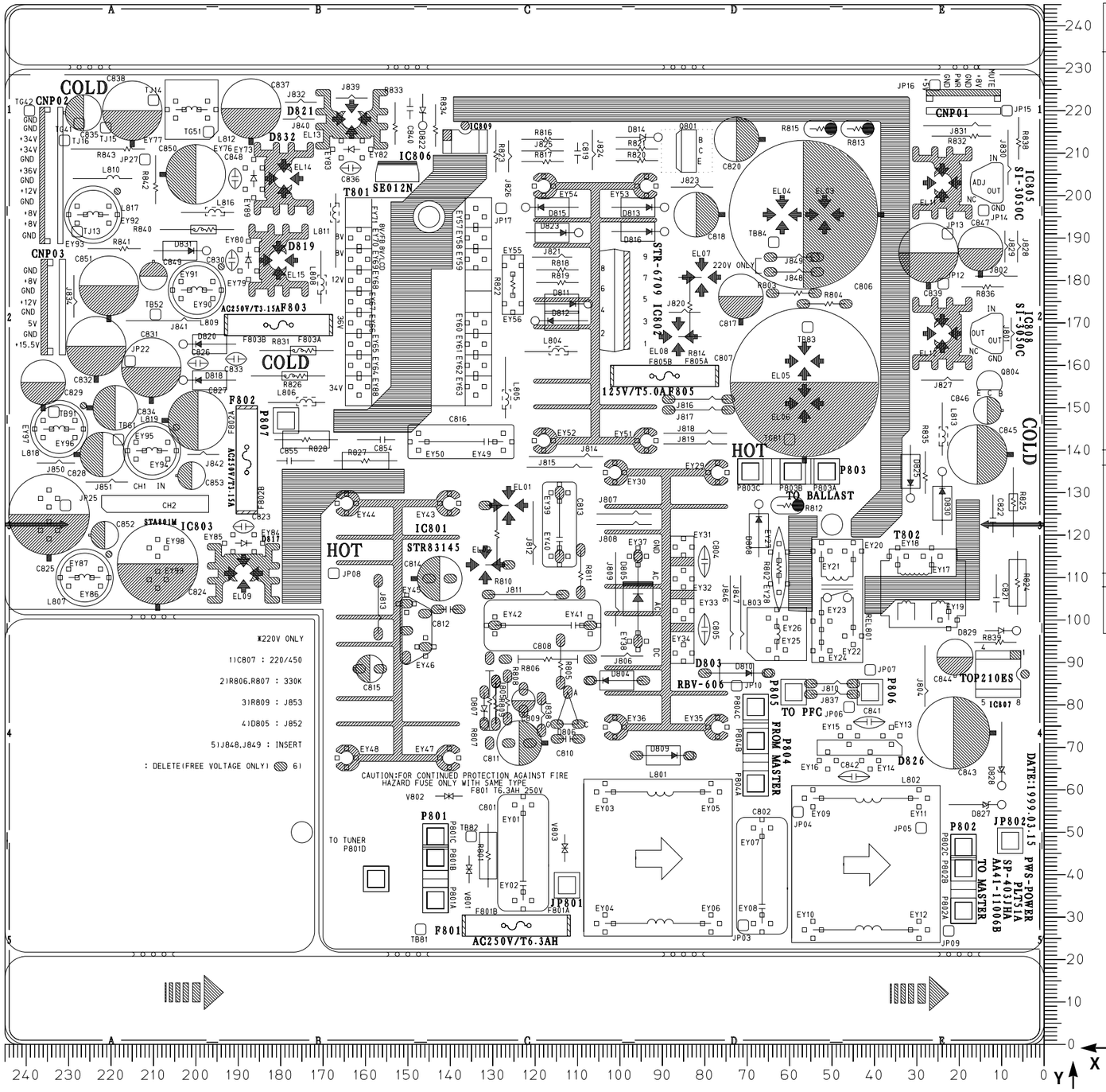
10. PCB Layout Diagram

10-1 PCB-MAIN



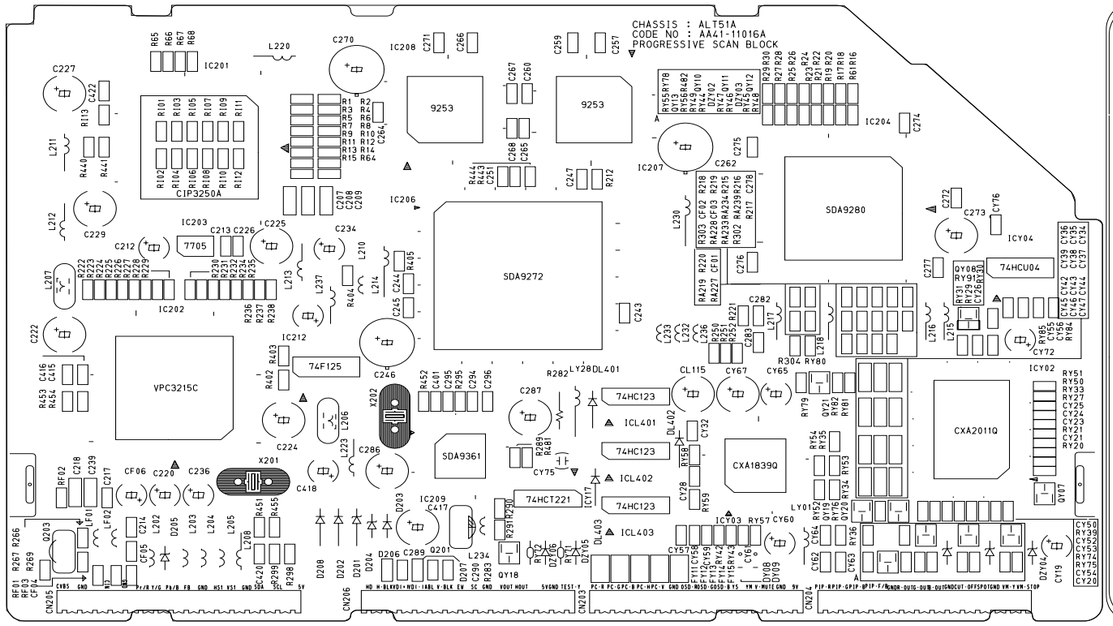
Loc. No.	X	Y
DIODE		
D101	105	70
D102	65	77
D103	54	65
D104	57	65
D601	192	140
D602	264	233
D603	163	153
D901	216	66
D902	216	68
D903	269	206
DZ102	193	61
DZ201	69	131
DZ202	70	24
DZ203	55	131
DZ205	58	131
DZ603	222	182
DZ604	231	172
DZ901	210	86
IC		
IC101	98	86
IC102	83	86
IC401	102	44
IC601	197	225
IC602	99	225
IC604	201	193
IC802	241	164
IC803	275	226
IC805	244	116
IC806	228	106
IC903	241	55
IC904	239	65
IC905	264	37
TRANSISTORS		
Q101	45	68
Q102	39	68
Q103	51	68
Q104	133	111
Q105	143	84
Q106	57	74
Q107	129	85
Q108	129	80
Q109	26	85
Q602	223	216
Q603	217	216
Q901	225	35
Q902	257	71
Q903	257	77
Q904	257	82
Q905	225	41

10-2 PCB-POWER

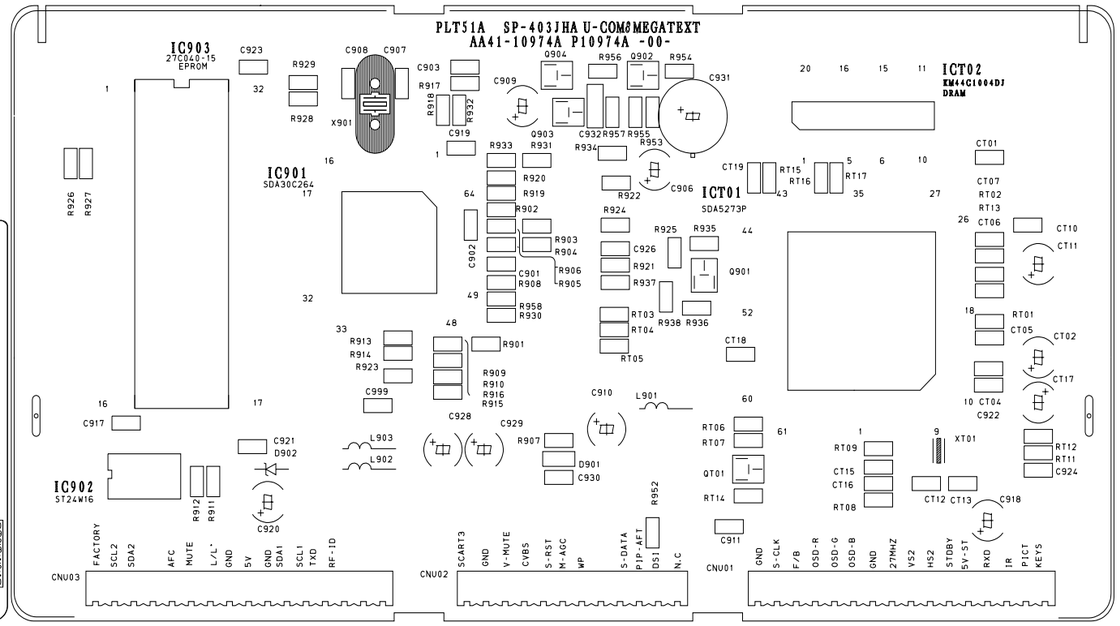


Loc. No.	X	Y
DIODE		
D803	77	134
D804	107	85
D805	95	115
D806	109	75
D807	132	75
D808	67	127
D809	83	68
D810	65	87
D811	107	174
D812	120	170
D813	89	197
D814	91	213
D815	122	197
D816	89	191
D817	188	111
D818	203	156
D819	180	184
D820	203	165
D821	163	218
D822	146	216
D823	109	191
D825	31	128
D826	36	72
D827	10	56
D828	10	61
D829	6	97
D830	24	135
D831	197	187
D832	179	204
IC		
IC801	140	127
IC802	93	202
IC803	218	129
IC805	24	203
IC806	150	205
IC807	7	82
IC808	24	167
IC809	132	214
TRANSISTORS		
Q801	84	213
Q804	10	155

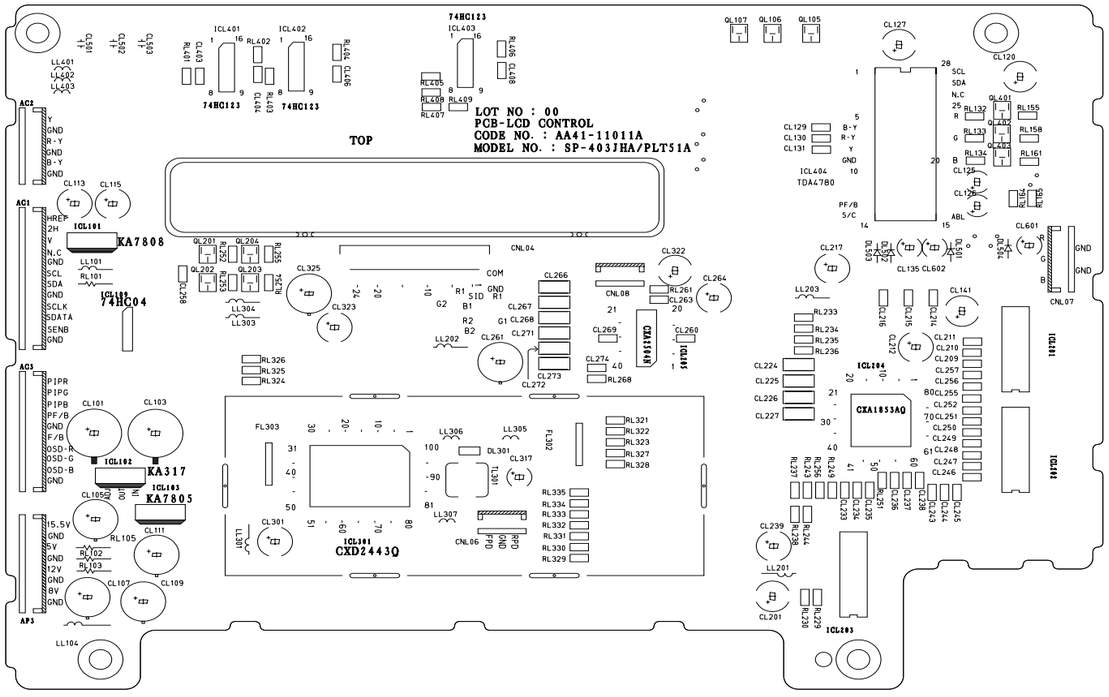
10-3 PCB-PROGRESSIVE



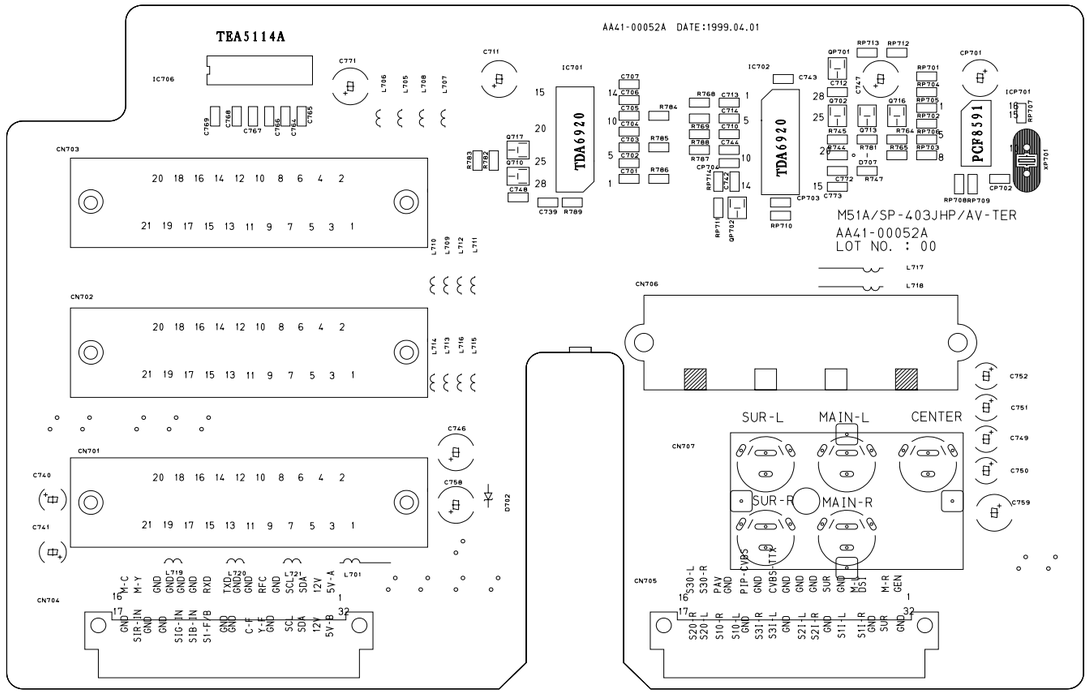
10-4 PCB u-COM



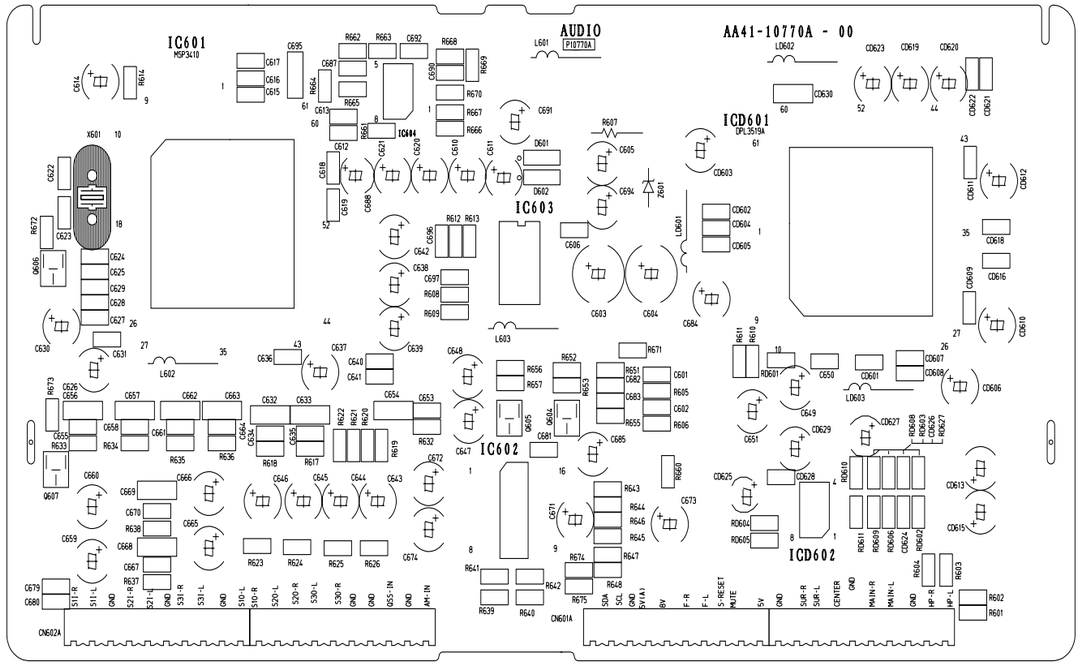
10-5 PCB-LCD CONTROL



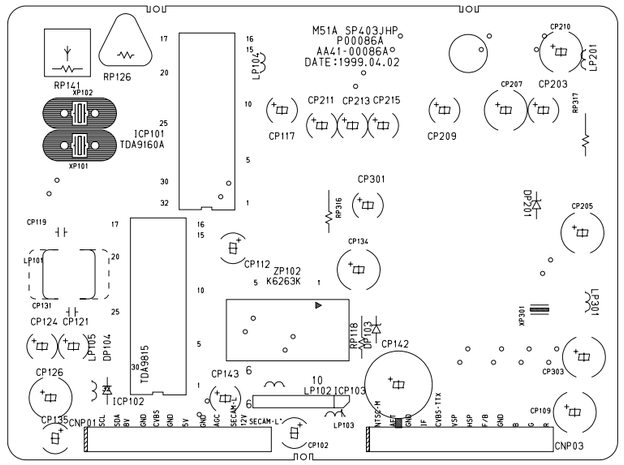
10-6 PCB-A/V TERMINAL



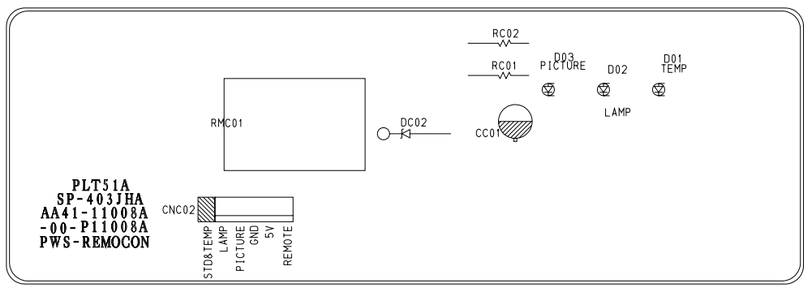
10-7 PCB-AUDIO



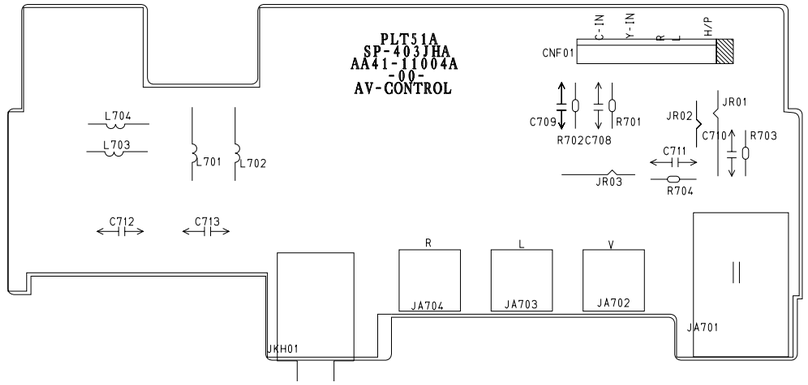
10-8 PCB-PIP



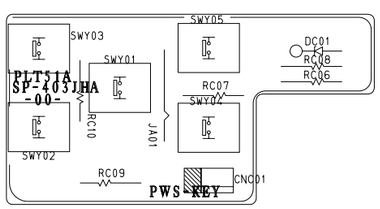
10-9 PCB-REMOCON



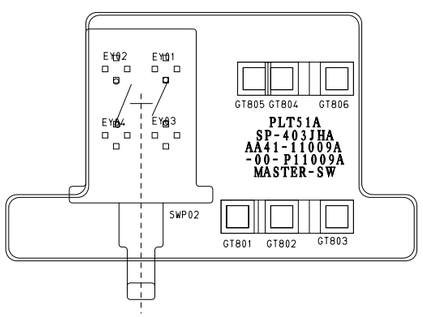
10-10 PCB-A/V CONTROL



10-11 PCB-SIDE KEY

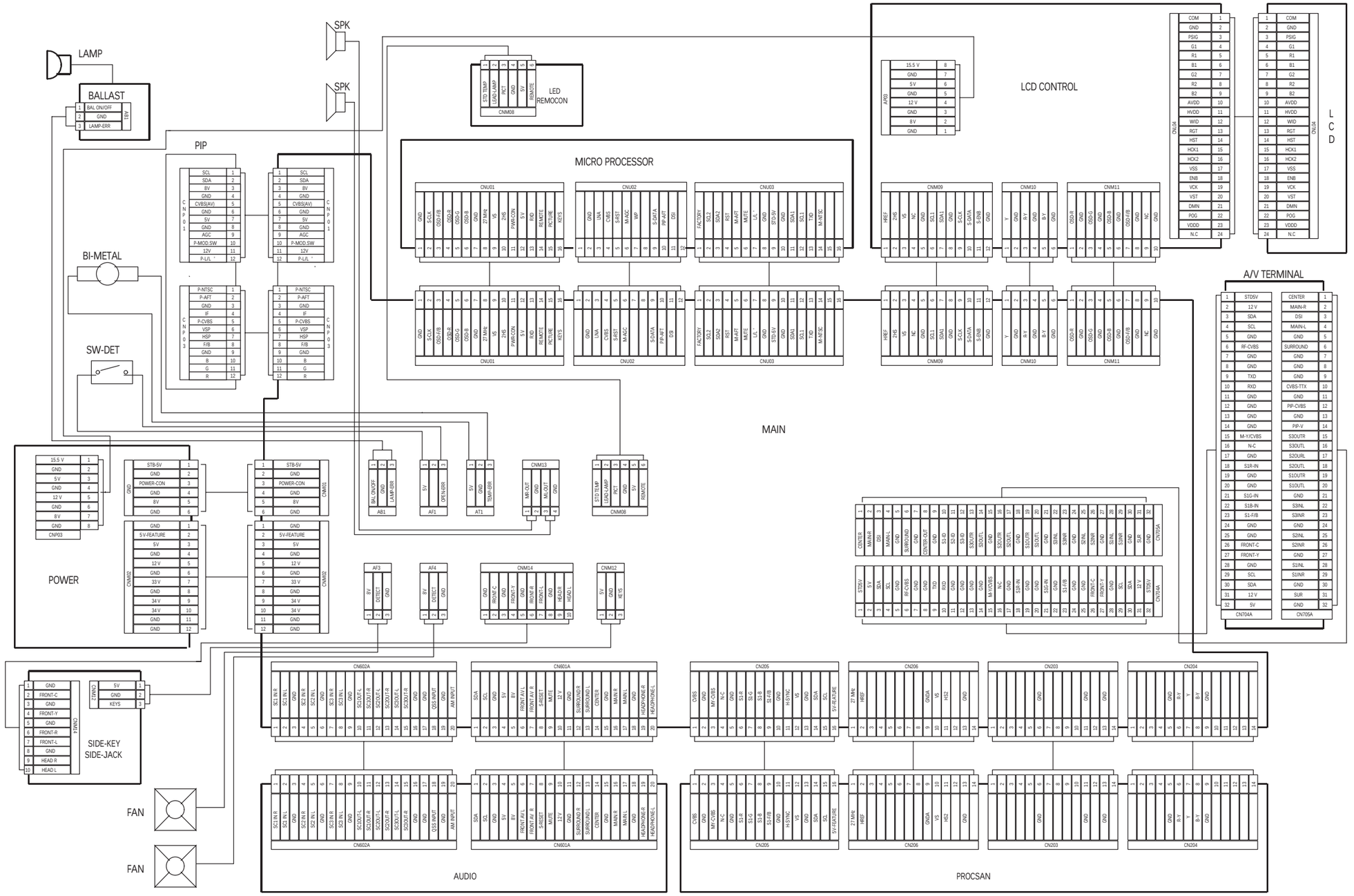


10-12 PCB-MASTER S/W



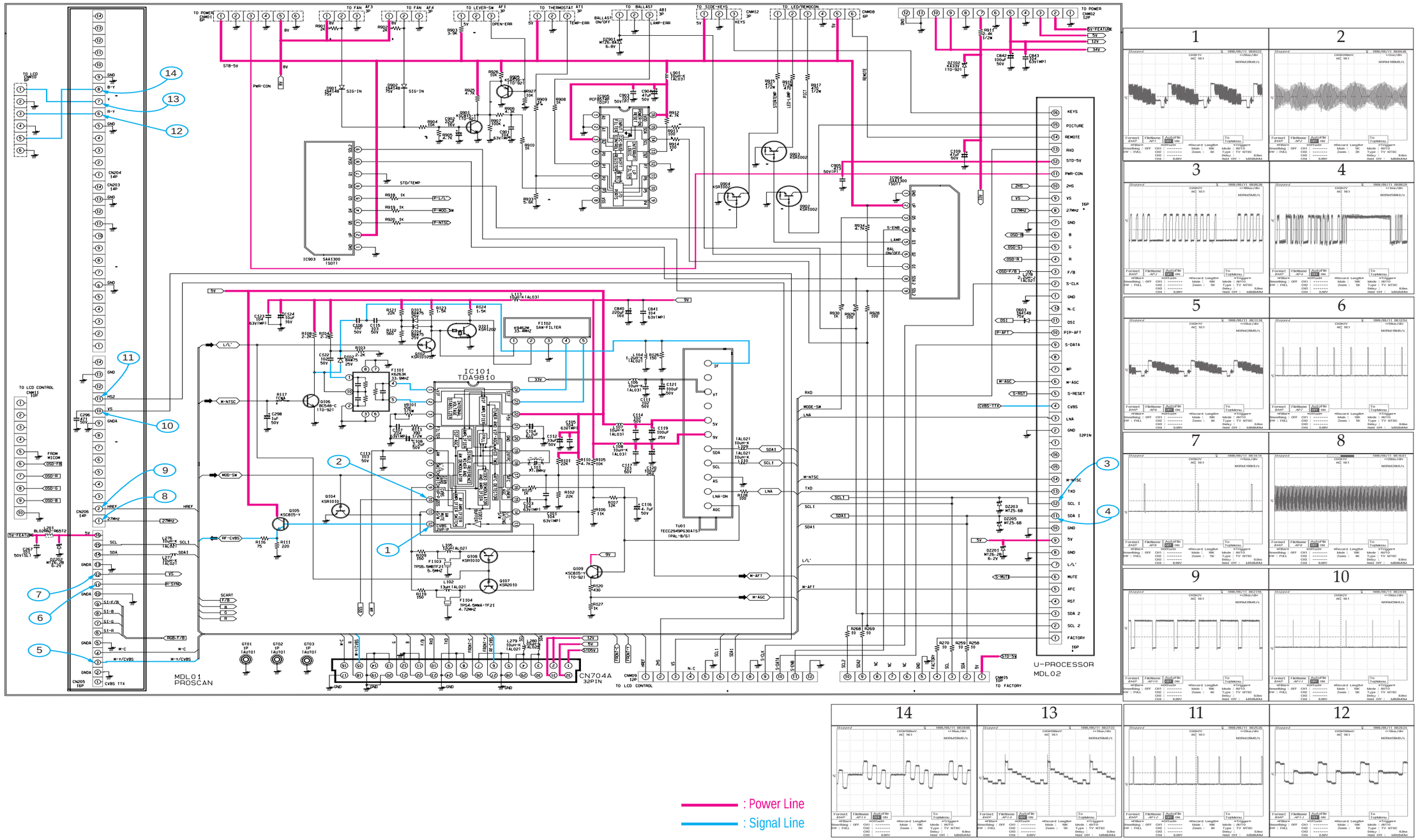
11. Wiring Diagram

11-1 M51A (SP403JHP) Wiring Diagram

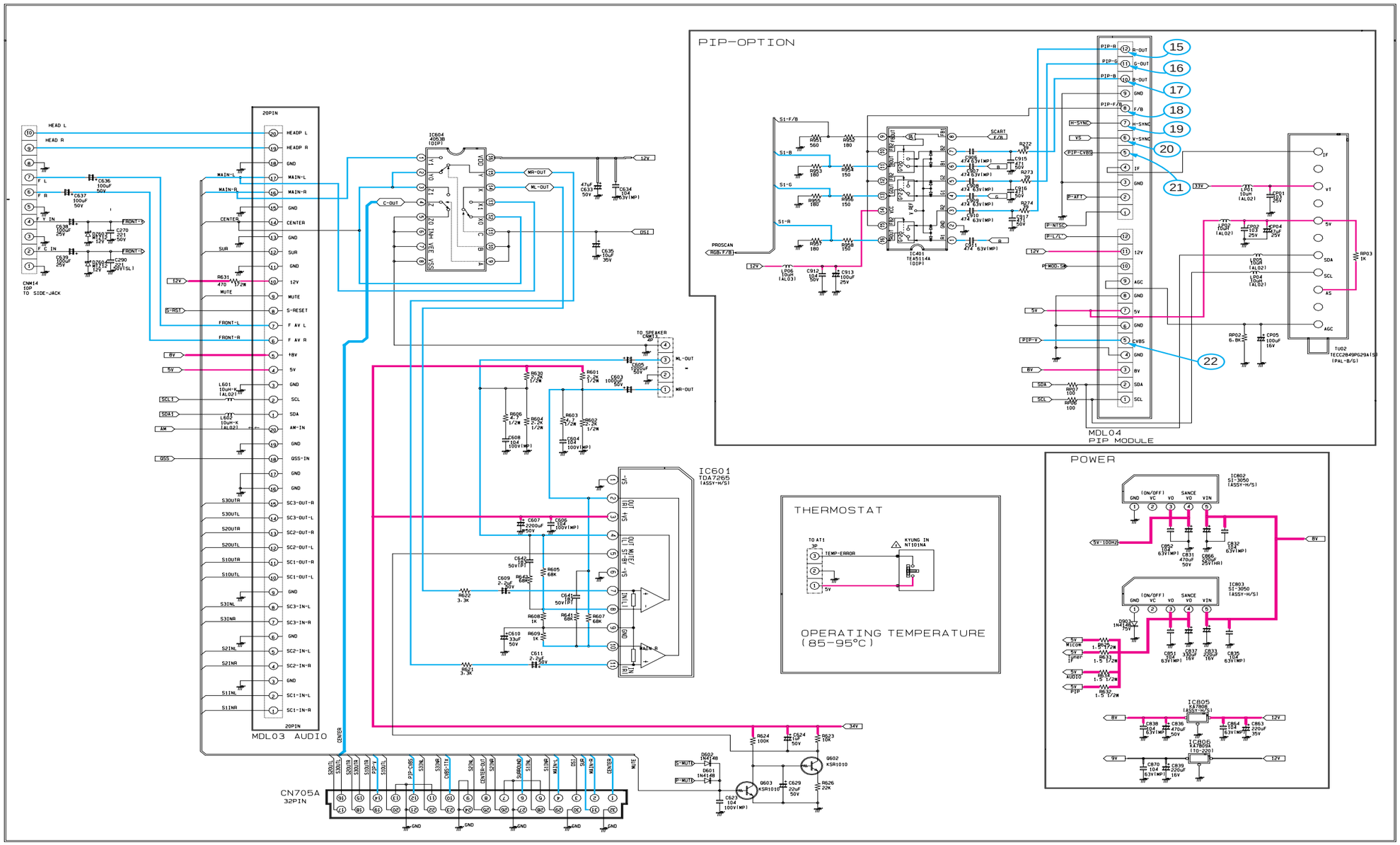


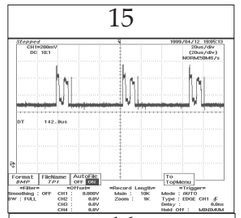
12. Schematic Diagrams

12-1 MAIN (1)



12-2 MAIN (2)


PIP-OPTION
MDL04
PIP MODULE
POWER
MDL03 AUDIO
20PIN
CN705A
32PIN
IC601
TDA7265
(ASSY-M/S)
IC604
4053B
(DIP)
IC401
TEA5114A
(DIP)
IC802
SI-3050
(ASSY-M/S)
IC803
SI-3050
(ASSY-M/S)
IC805
KA7806
(ASSY-M/S)
IC806
KA7805
(TO-220)
THERMOSTAT
TO-AT1
TEMP-ERROR
KYUNG IN
NT101NA
OPERATING TEMPERATURE
(85~95°C)
TO SPEAKER
CNM13
CNM14
TOP
TO SIDE-JACK
TU02
TECC2649P029A(S)
(PAL-B/G)
: Power Line
: Signal Line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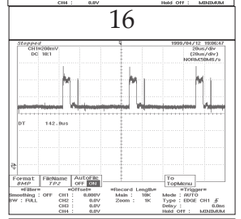
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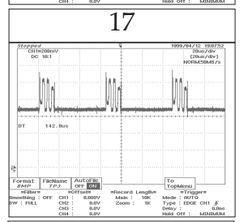
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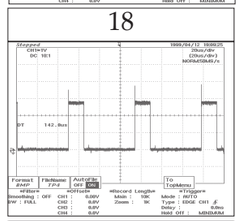
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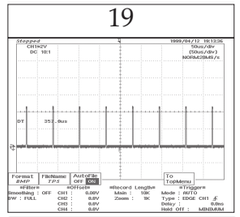
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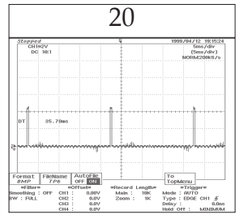
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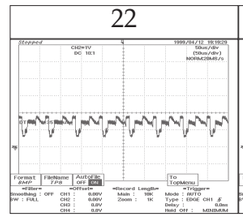
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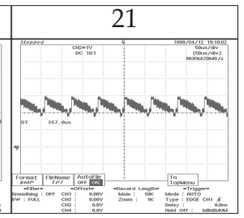
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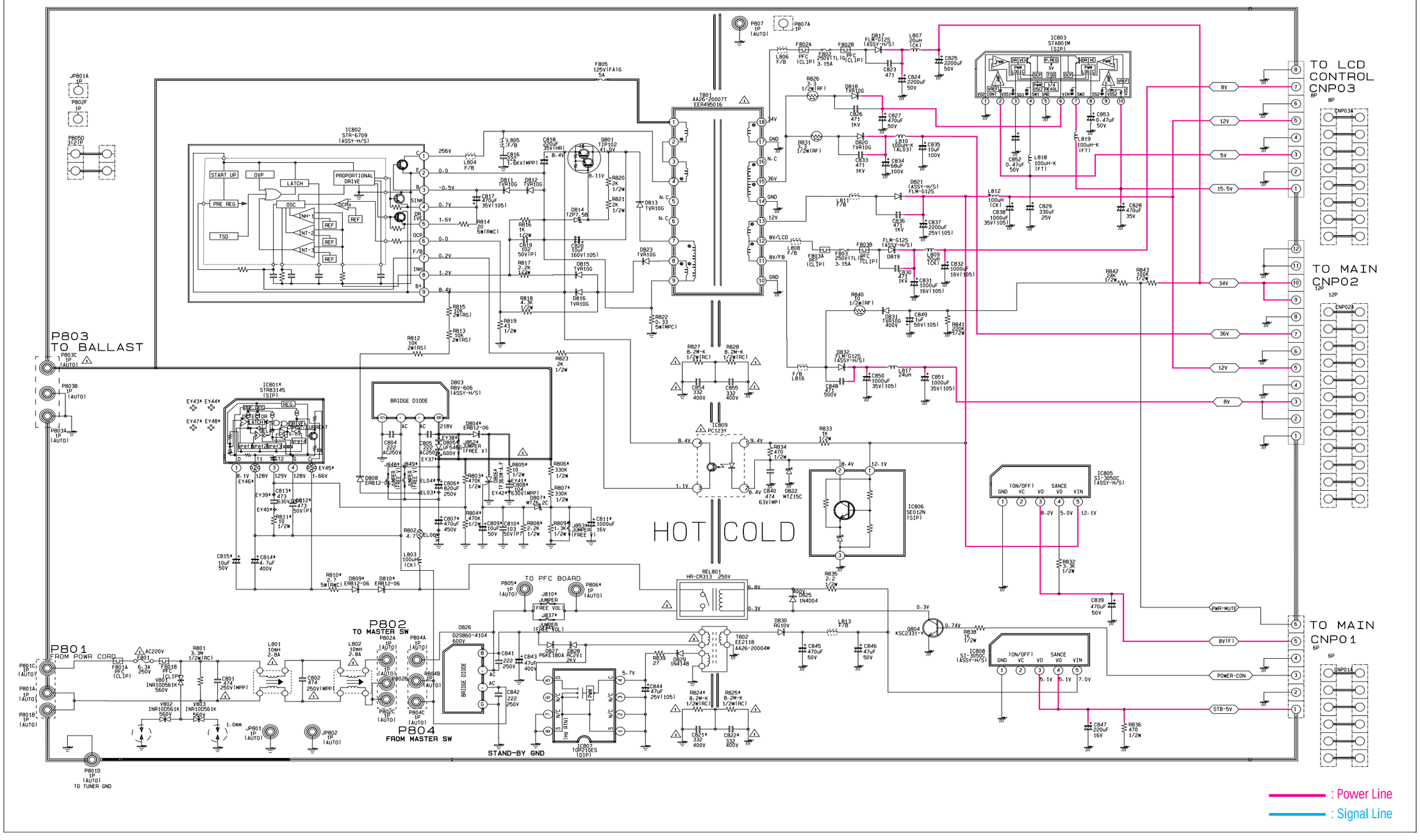
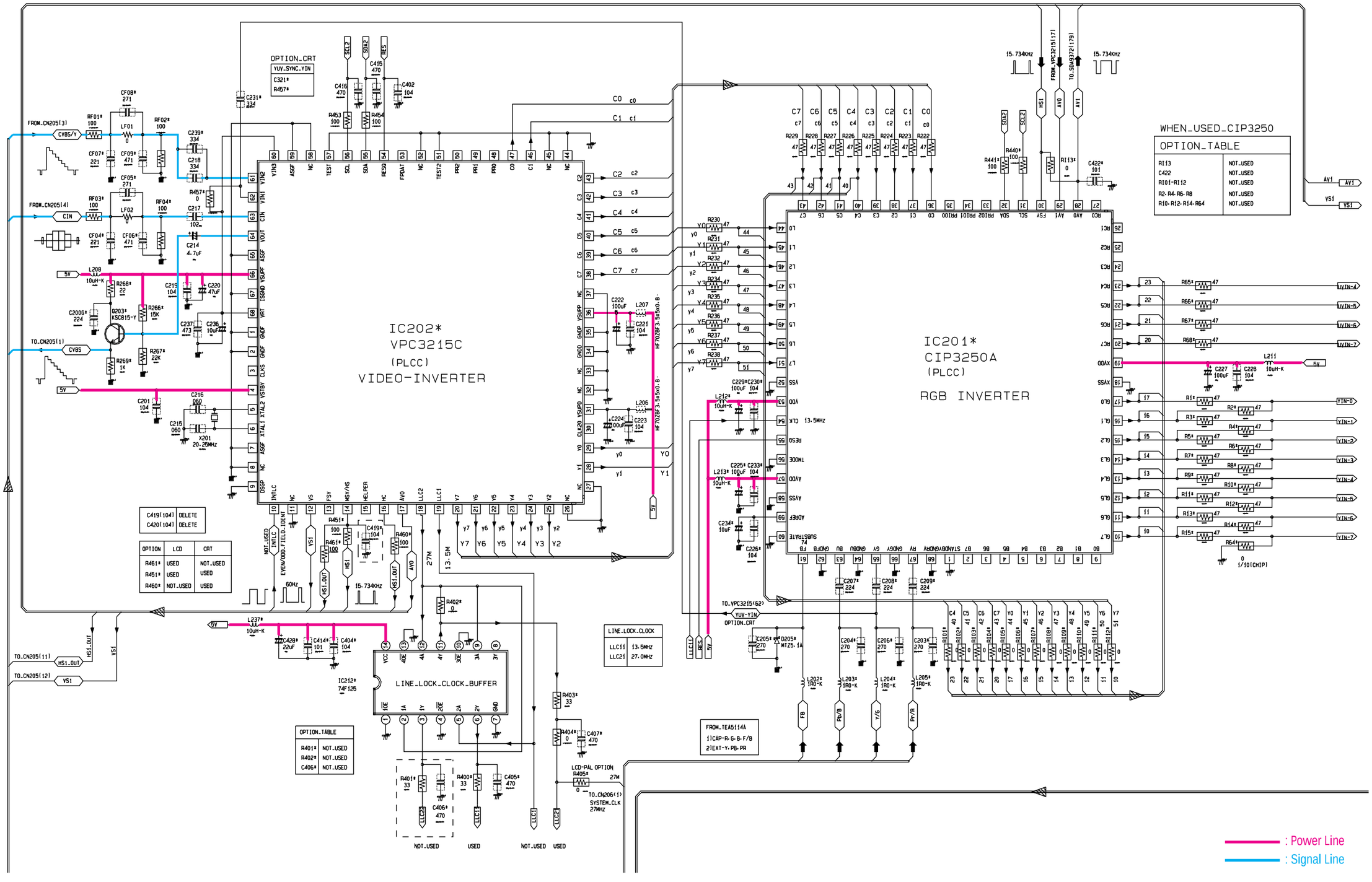
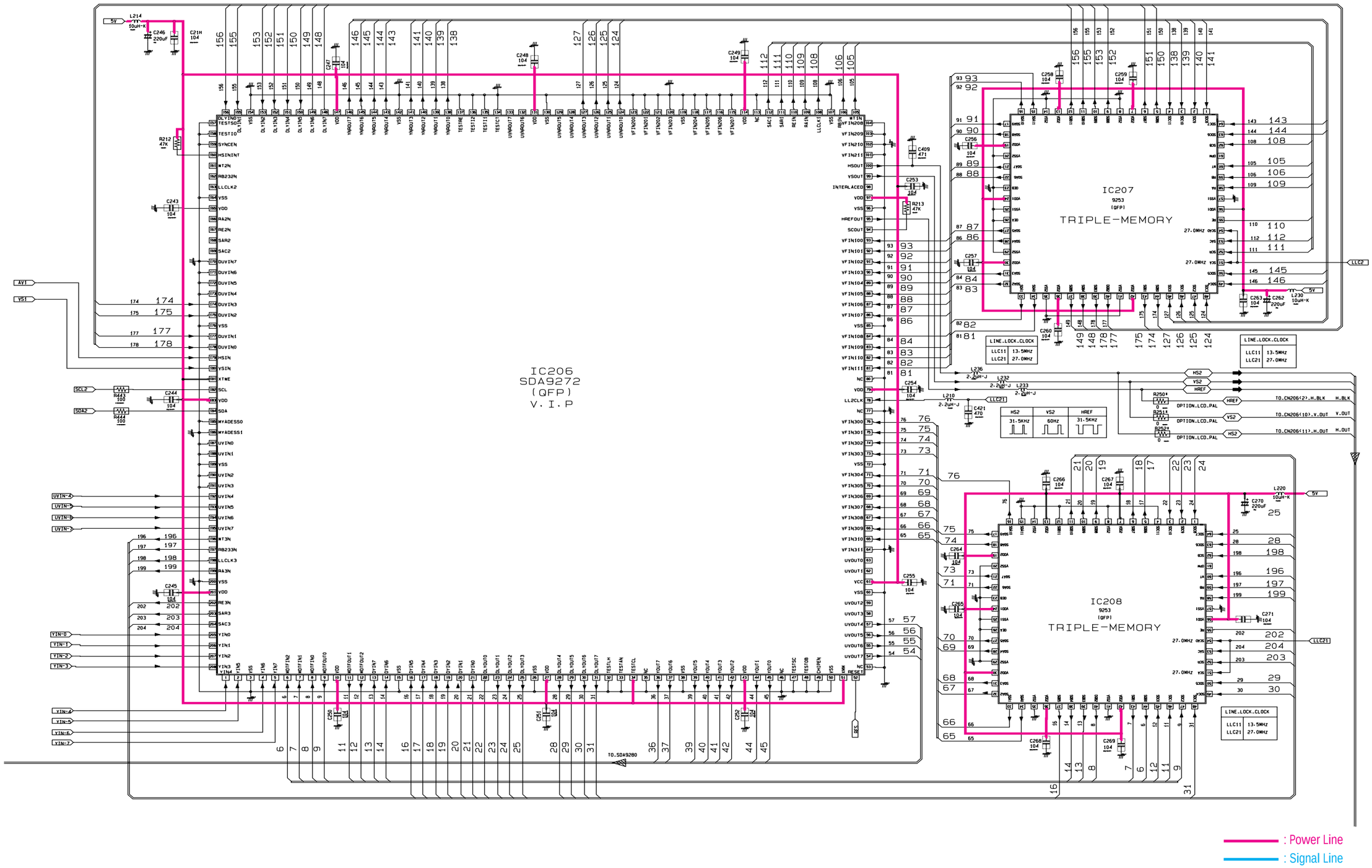
12-3 MAIN (POWER)



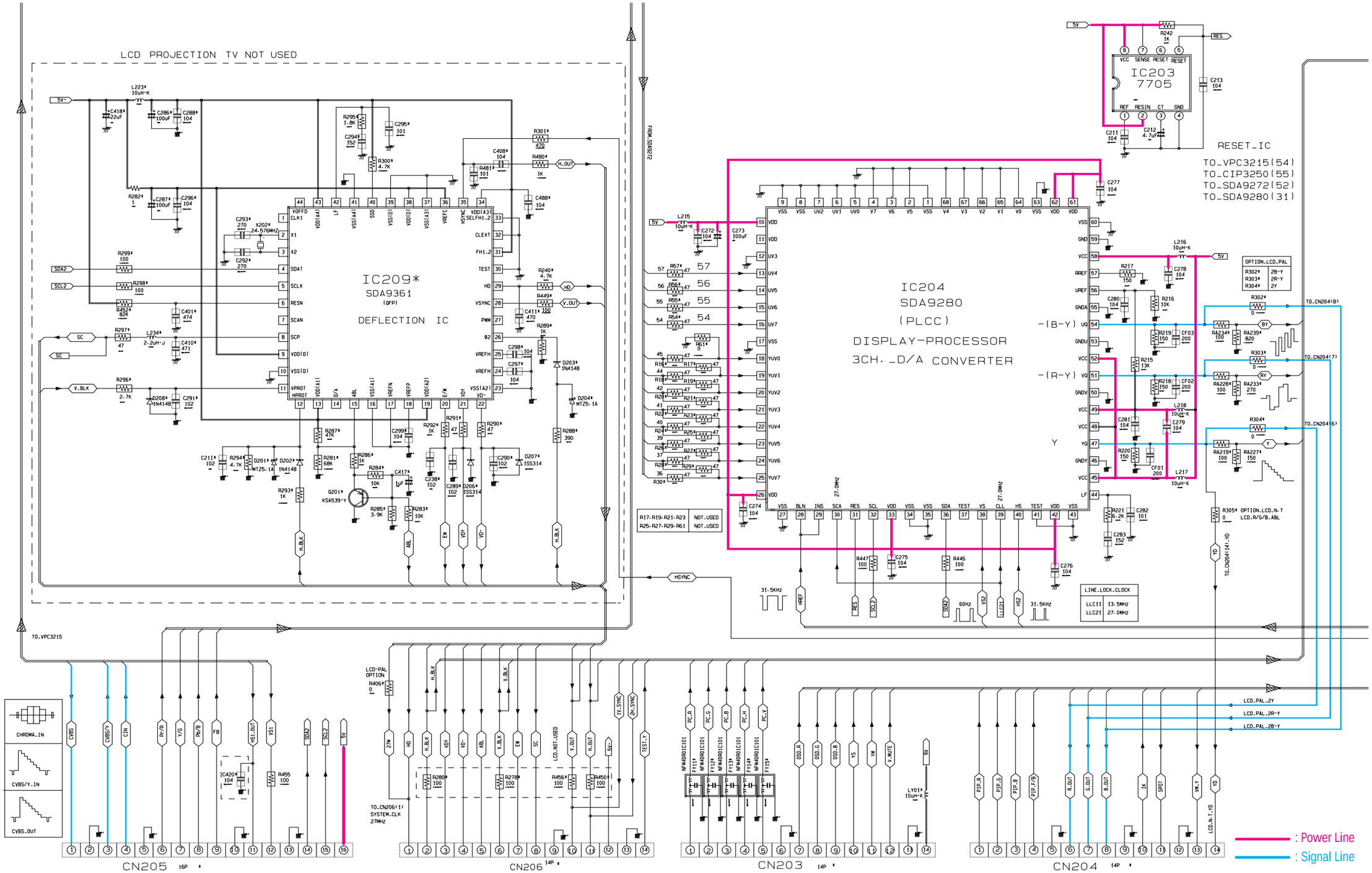
12-4 PROSCAN (1)



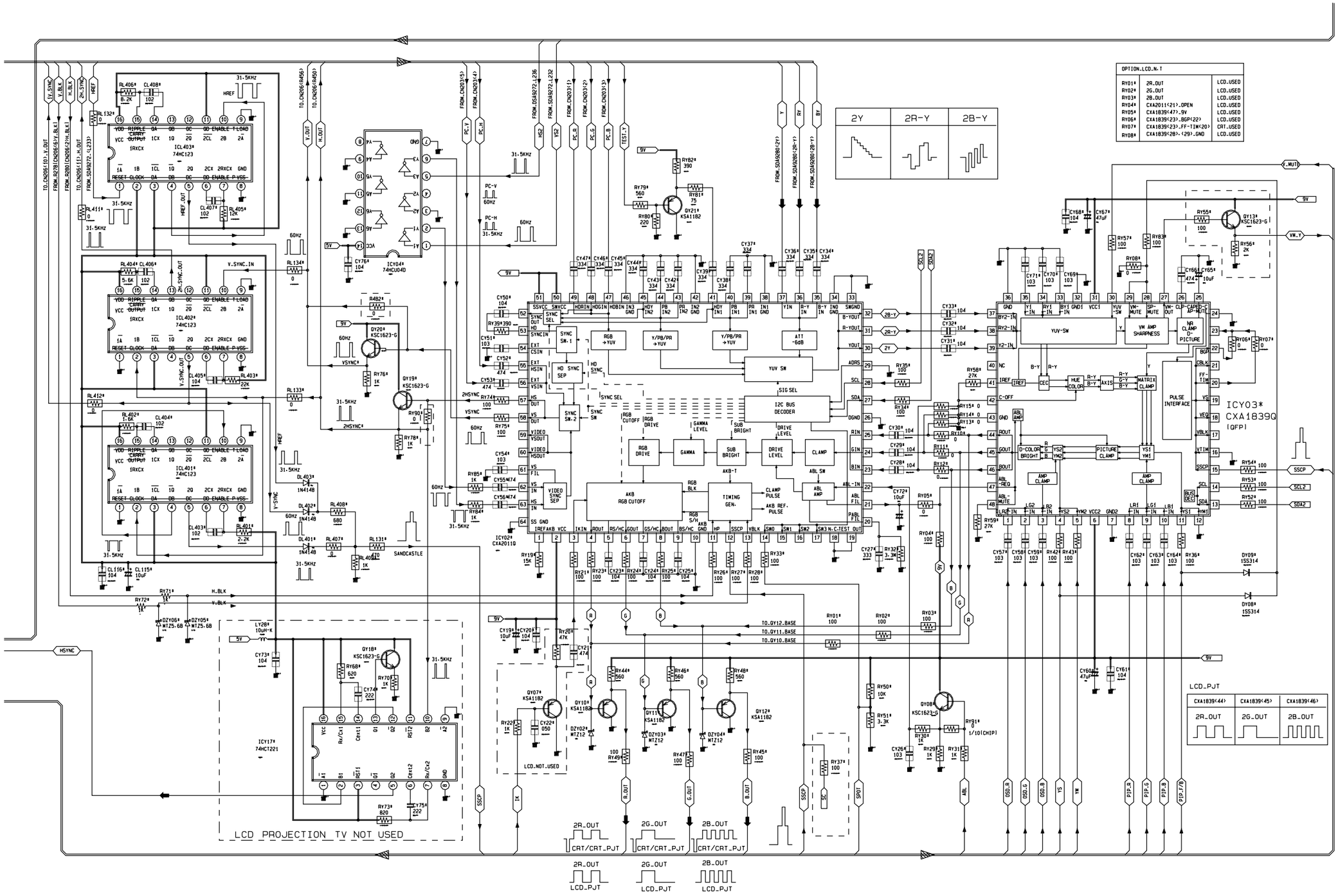
12-5 PROSCAN (2)



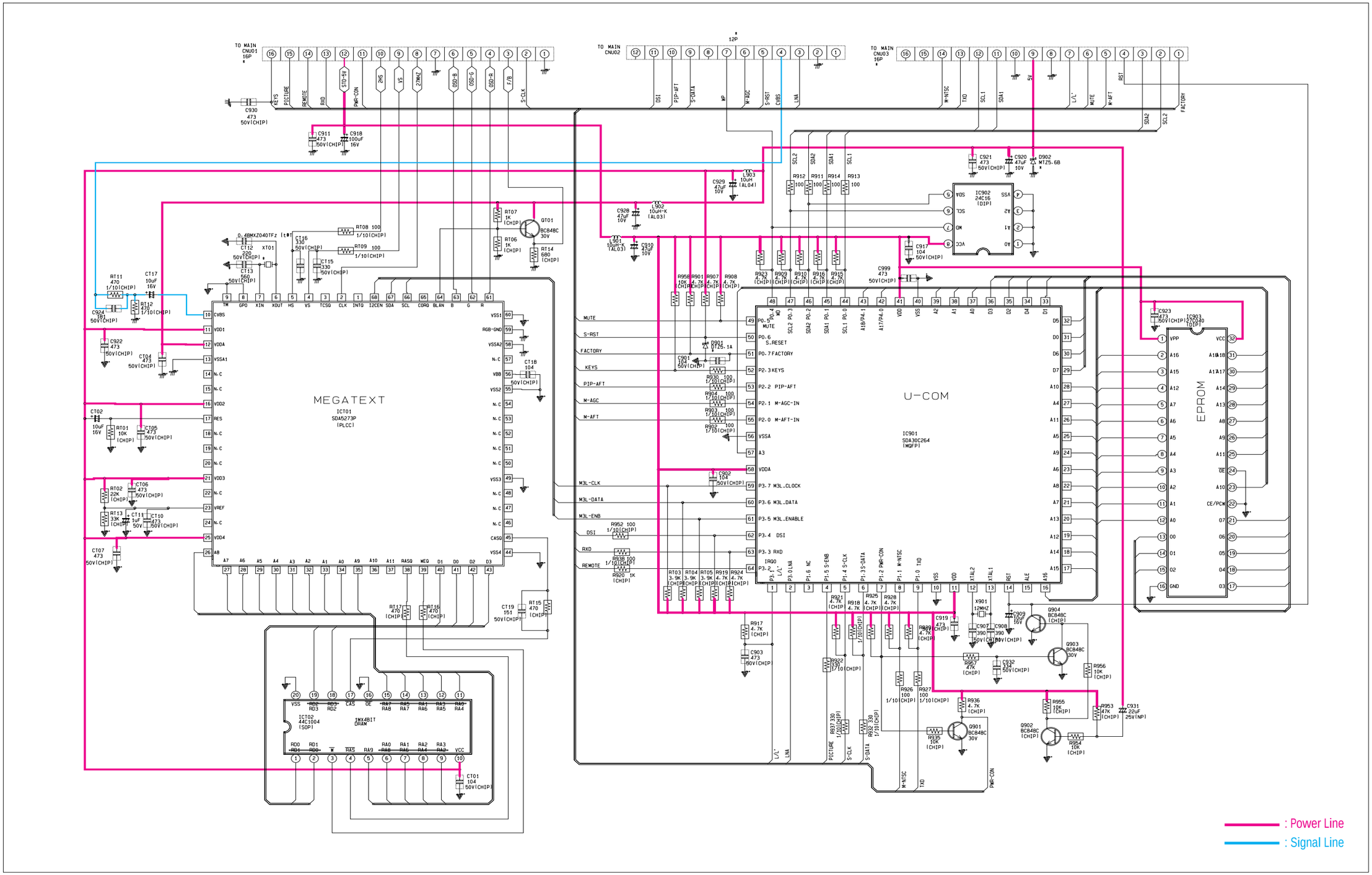
12-6 PROSCAN (3)



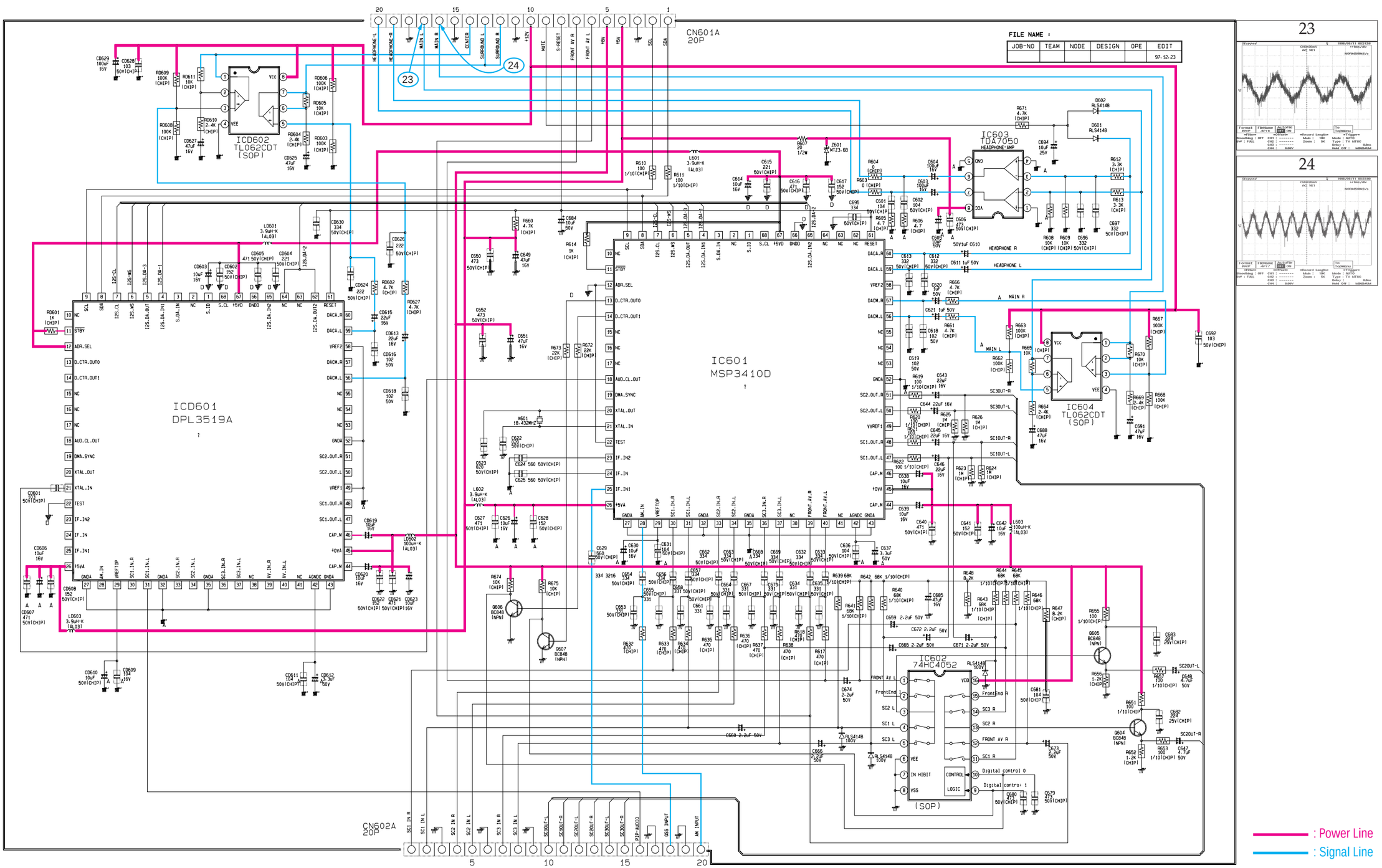
12-7 PROSCAN (4)



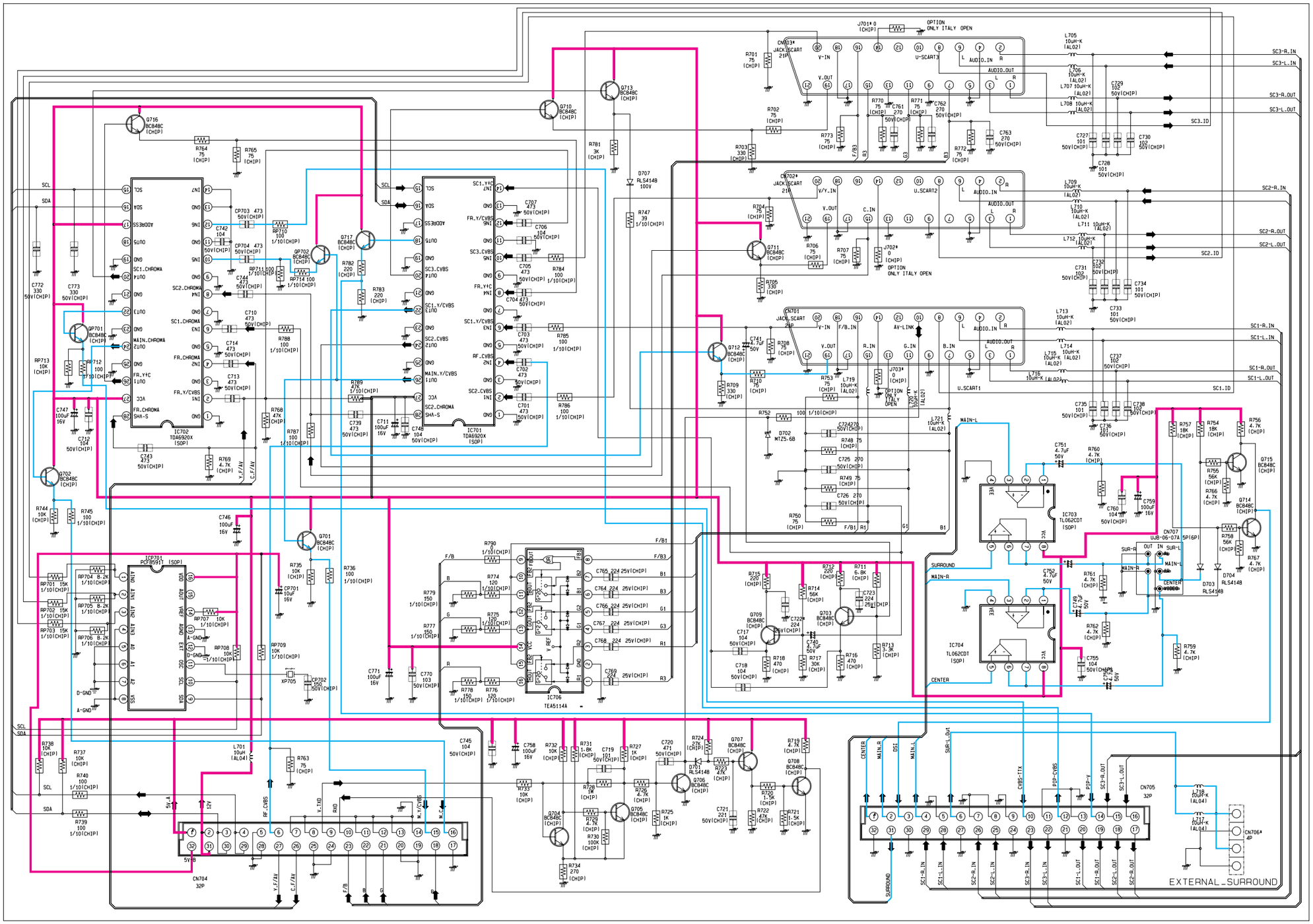
12-8 MAIN (u-COM)



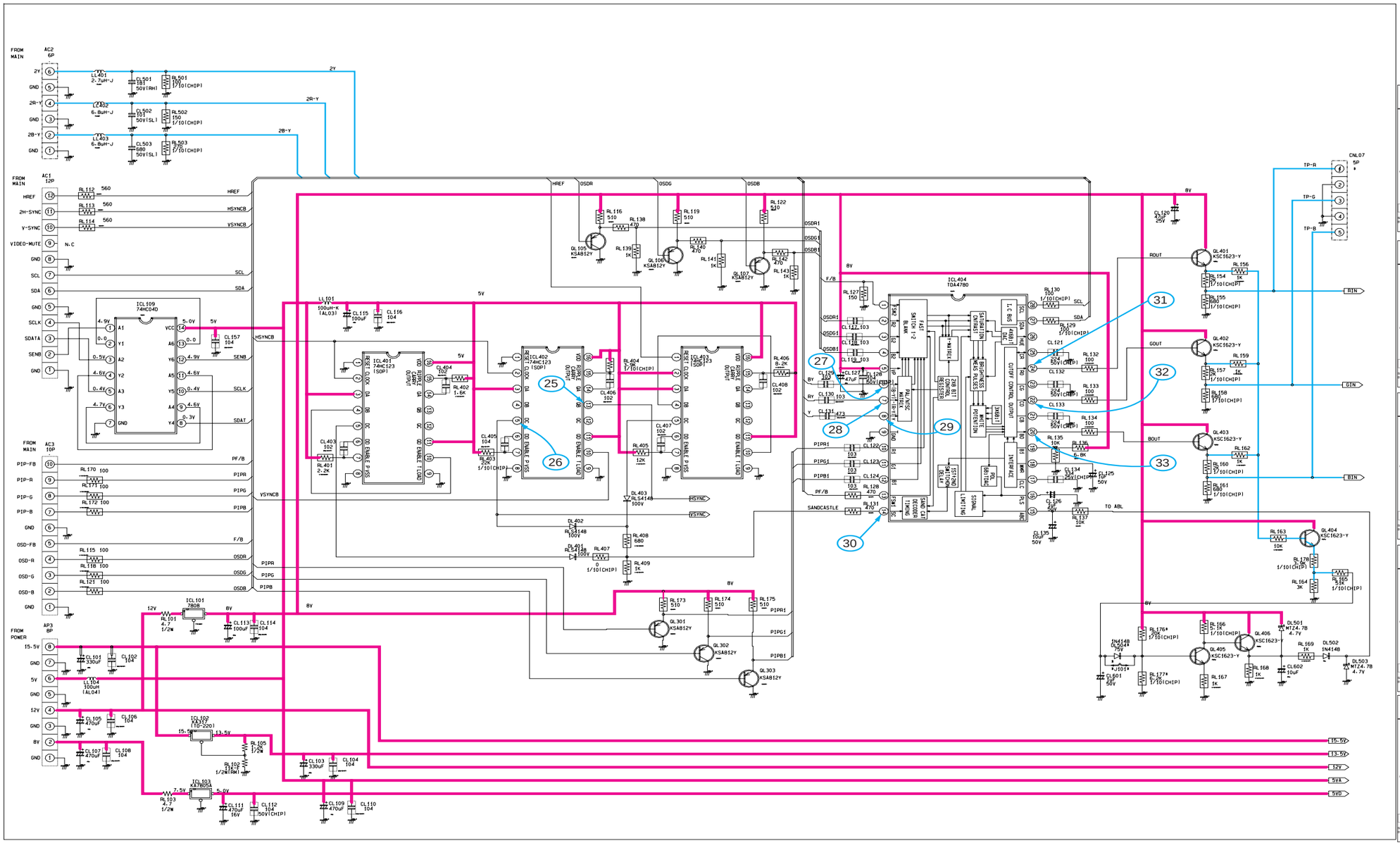
12-9 MAIN (AUDIO)

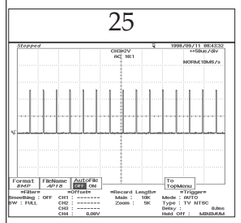


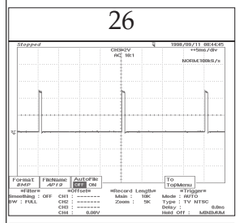
12-10 MAIN (A/V TERMINAL)

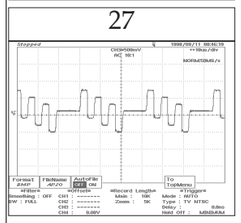


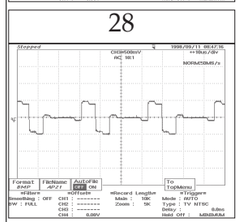
12-11 CONTROL LCD (1)

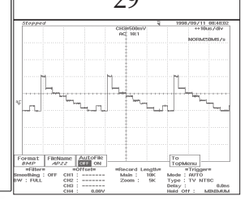


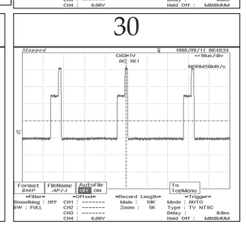


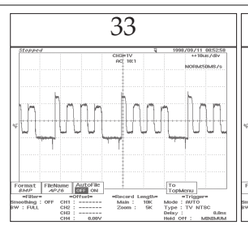


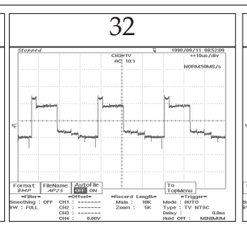


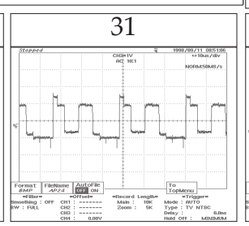




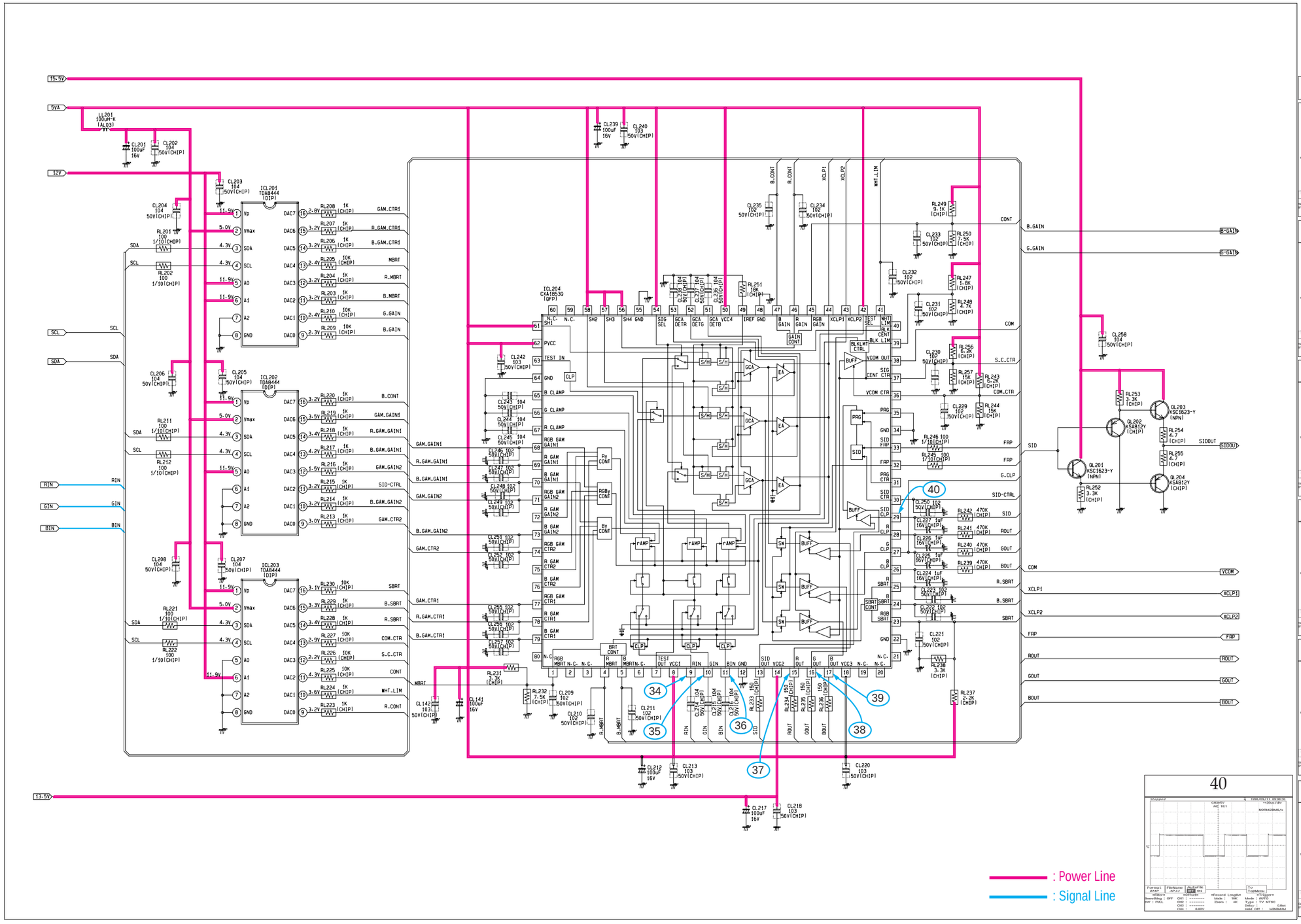




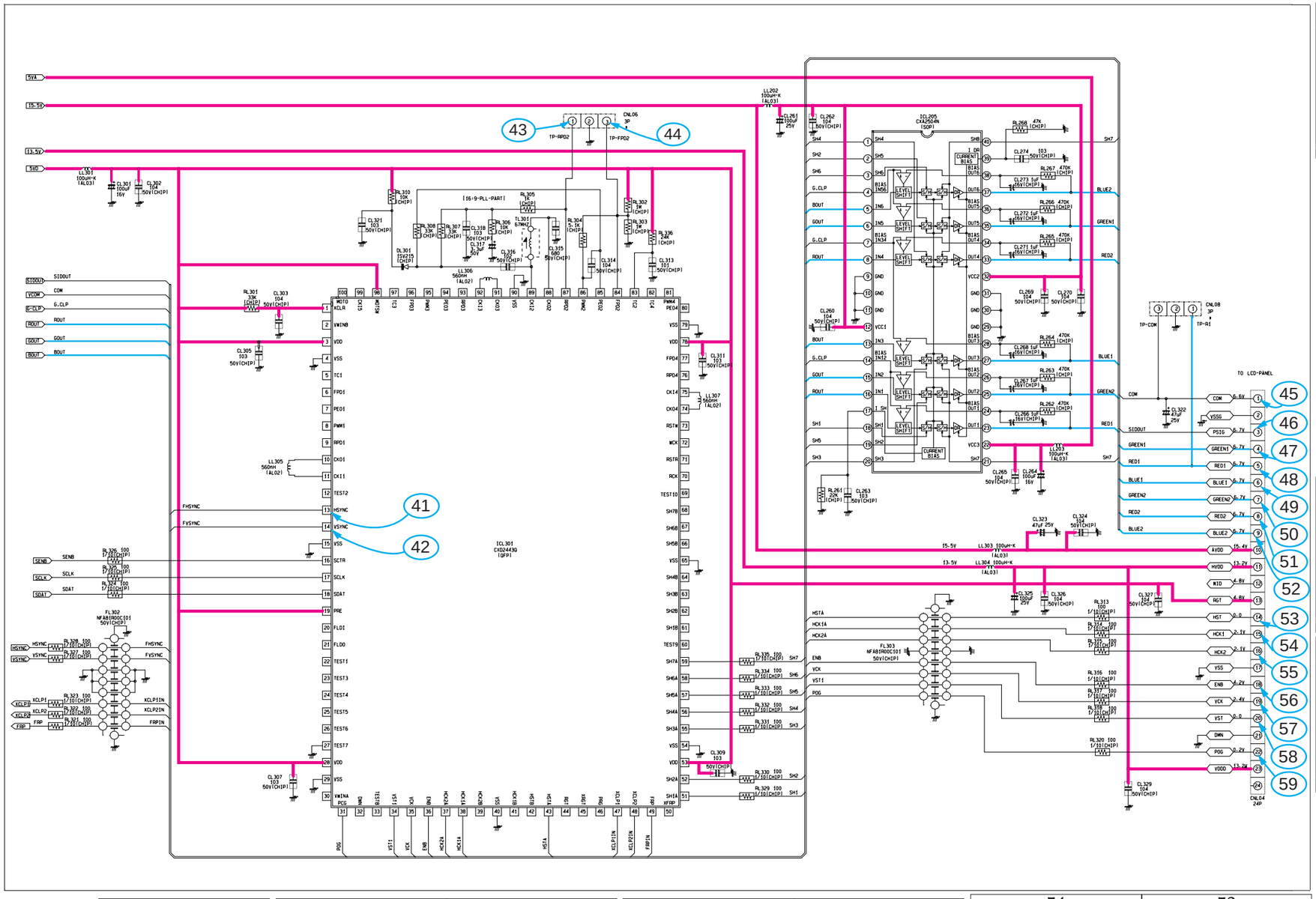


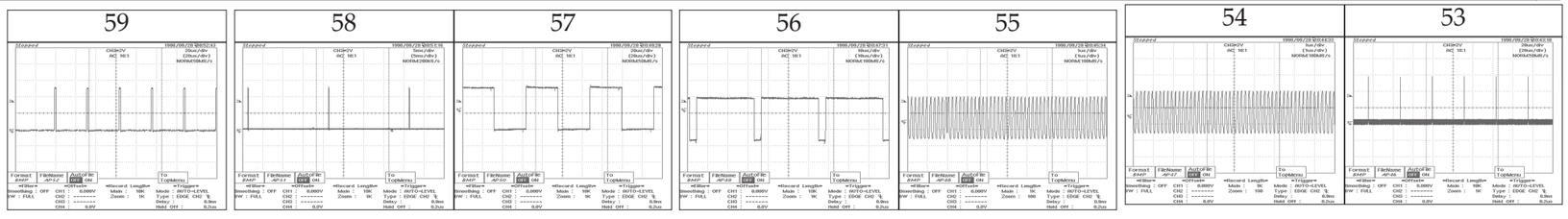


12-12 CONTROL LCD (2)



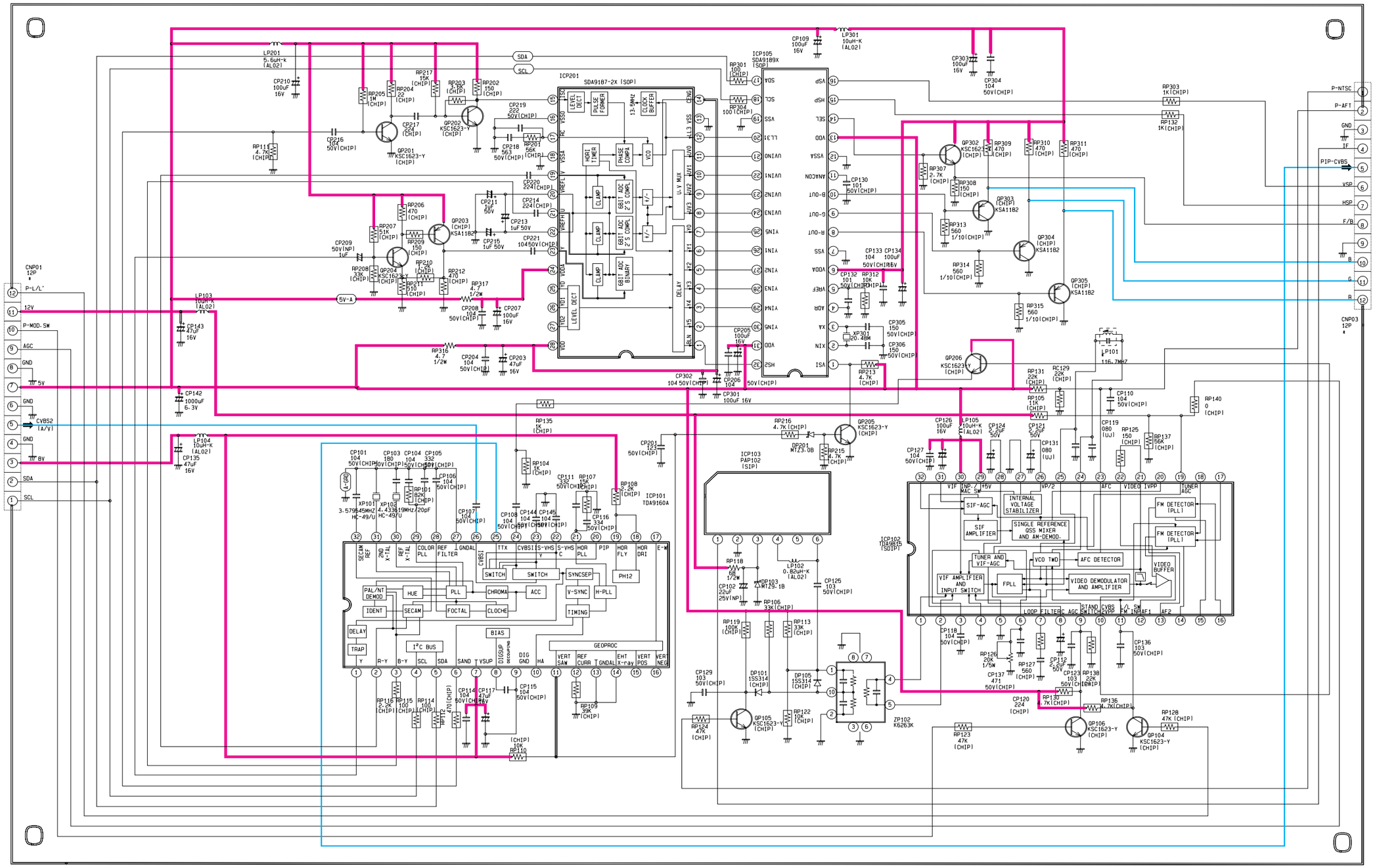
12-13 CONTROL LCD (3)



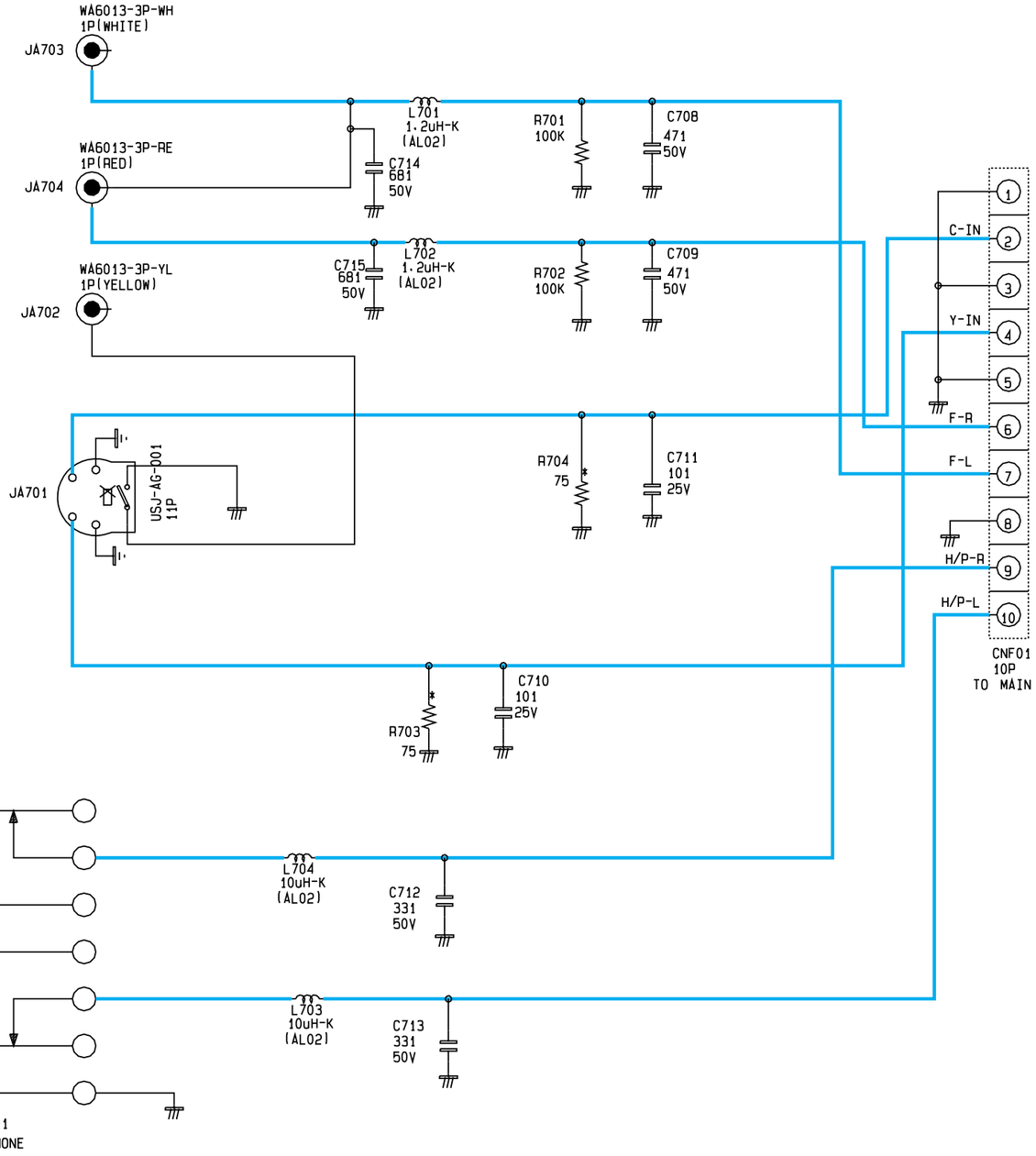


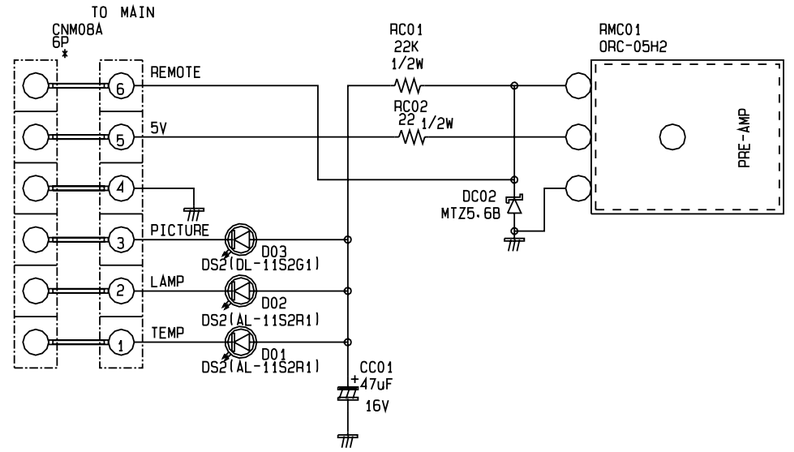
: Power Line
: Signal Line

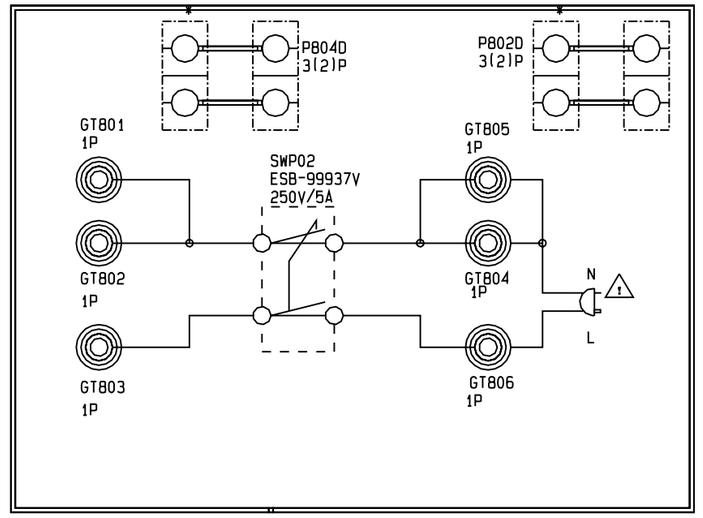
12-14 MAIN-PIP

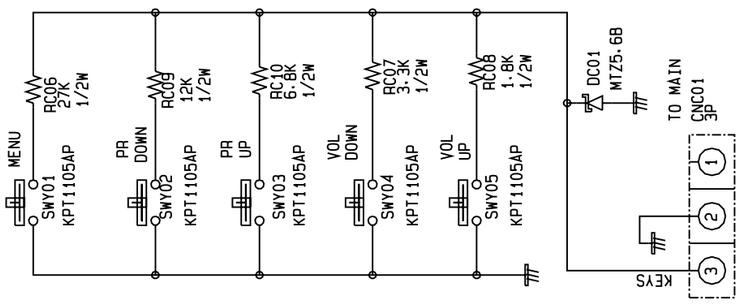


12-15 MAIN SUB (MASTER/REMOCON/PRE-AMP)









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